

مراجعات النخبة



بنك الأسئلة

SCIENCE



Review for April 2025



Primary
Second Term
2025

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**Trust Academy
Online**

**مراجعات النخبة
من
تراست أكاديمي اونلاين
2025**

**أكاديمية تراست
اونلاين
ابتدائي-إعدادي-ثانوي**

لغات - تجريبي - عربي - أزهرى

ناشيونال - انترناشيونال

(مناهج امريكي - كامبردج - مناهج خليجية)



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Question 1

choose the correct answer

Concept 3.2

1 Sandstorms occur inregions

- (a) Polar
- (b) Coastal
- (c) Desert
- (d) ice

2 All of the following are flood damages except

- (a) moderate weather
- (b) livestock drowning
- (c) damaging building
- (d) disrupting the economy

3 The drought occurs due to.....

- (a) moderate weather
- (b) high temperature
- (c) low temperature
- (d) both (a and c)

3 The first step in weather forecast and understand the climate changes is.....process

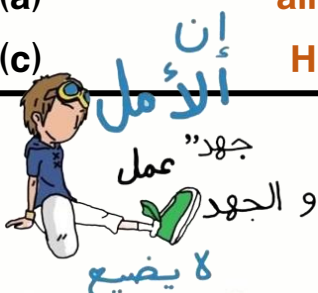
- (a) Data analysis
- (b) Data collecting
- (c) Connecting things
- (d) Using maps

5 Theeffects on climate and weather

- (a) mountains
- (b) kind of soil
- (c) Reservoirs
- (d) all the previous

6 We can describe the that is very fast

- (a) air density
- (b) Wind
- (c) Humidity
- (d) temperature





7 The weather condition in a short period of time is the.....

- | | | | |
|-----|----------|-----|---------|
| (a) | Humidity | (b) | Climate |
| (c) | Weather | (d) | Clouds |

8 Thecan give a report about air condition

- | | | | |
|-----|-----------|-----|---------------|
| (a) | Fireman | (b) | Meteorologist |
| (c) | Astronaut | (d) | Pilot |

Concept 4.1

9 Which of the following is not considered from the abiotic factors...

- | | | | |
|-----|-------------|-----|-------|
| (a) | Light | (b) | Water |
| (c) | Temperature | (d) | Plant |

10 From the behavioral adaptations is.....

- | | | | |
|-----|------------|-----|----------------|
| (a) | Thick skin | (b) | Fur |
| (c) | Long ears | (d) | Bird migration |

11 Which of the following does not help plants to survive in desert environments.....

- | | | | |
|-----|-------------------------|-----|--------------|
| (a) | Thorns | (b) | Thick roots |
| (c) | Excessive transpiration | (d) | Small leaves |

12 The adaptation of living organisms with the environment leads to....

- | | | | |
|-----|---------------------------|-----|---------------|
| (a) | Its extinction | (b) | Its survival |
| (c) | Its population decreasing | (d) | Its migration |

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ستتحقق
مباري



13 The..... helps in the cell to build genetic information between generations

- | | |
|-------------------------|-------------------------|
| (a) Vacuoles | (b) Mitochondria |
| (c) Chloroplasts | (d) Nucleus |

14 Thetraits control the shape of the cat's pointed ear.

- | | |
|--------------------------|--------------------|
| (a) Environmental | (b) Abiotic |
| (c) Living | (d) Genetic |

15 Some plants, such as..... bear fruits when the day time is shorter than the night time.

- | | |
|-----------------------------|------------------------------|
| (a) Cactus | (b) Herbaceous plants |
| (c) Flowering plants | (d) Chrysanthemum |

16 The Birman cat belongs to the.....

- | | |
|-------------------------|--------------------------|
| (a) Wild cats | (b) Desert cats |
| (c) Pharaoh cats | (d) Domestic cats |

17 All of the following are structural adaptations except

- | | |
|---------------------------------------|--------------------------------------|
| (a) Size of the plant leaves | (b) Stem length |
| (c) Thorns on the plant leaves | (d) Direction of plant growth |

18 All of the following are lifestyles except.....

- | | |
|---------------------|--------------------------------|
| (a) Smoking | (b) Diet |
| (c) Exercise | (d) Healthcare services |

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واشرب قهوة
واستمر بالسعي



19 Emperor penguin lives in..... while African penguin lives in.....

- (a) coast of South Africa - arctic region
- (b) coast of South Africa - Antarctic region
- (c) Antarctic region - coast of South Africa
- (d) Antarctic region - arctic region.

20 Poison dart frog lives in theenvironment

- (a) Arctic
- (b) Antarctic
- (c) Desert
- (d) tropical rain forest

21 Abiotic factors in an ecosystem include.....

- (a) animals and air
- (b) grasses and soil
- (c) living organisms
- (d) nonliving things

22 The plants live in desert are considered as one of the.....and their long roots are considered as one of thecharacteristics

- (a) abiotic factor – physical
- (b) abiotic factor – structural
- (c) biotic factor-physical
- (d) biotic factor - behavioral

23 Plants, animals and water are.....

- (a) biotic factors only
- (b) abiotic factors only
- (c) biotic and abiotic factors
- (d) behavioral characteristics

24 Plants respond to the amount of.....they receive daily.

- (a) light only
- (b) dark only
- (c) light and dark
- (d) biotic factors





25 Hot deserts have.....rainfall and.....amount of groundwater.

- | | | | |
|-----|----------------|-----|----------------|
| (a) | little – large | (b) | heavy – large |
| (c) | heavy-small | (d) | little - small |

26 Transferring of genetic factors happens in.....

- | | | | |
|-----|--------------------|-----|----------------------------|
| (a) | humans only | (b) | animals only |
| (c) | humans and animals | (d) | humans, animals and plants |

27 All the following are inherited traits in humans, except.....

- | | | | |
|-----|-----------|-----|------------|
| (a) | eye color | (b) | nose shape |
| (c) | fur color | (d) | ear shape |

28 Appearance of inherited traits on offspring, is due to passing down.....from their parents

- | | | | |
|-----|-----------------------|-----|-----------|
| (a) | environmental factors | (b) | Behaviors |
| (c) | genetic factors | (d) | leaves |

29 Birman cats have.....

- | | | | |
|-----|-----------------|-----|----------------------|
| (a) | very fine hair. | (b) | long and silky hair. |
| (c) | no hair | (d) | black feathers |

30 Sphynx cats and Birman cats are different in the.....

- | | | | |
|-----|----------------|-----|----------------|
| (a) | number of eyes | (b) | number of ears |
| (c) | number of legs | (d) | length of hair |

31 Bad habits in humans lifestyle include.....

- | | | | |
|-----|---------------------|-----|-----------------|
| (a) | eating healthy food | (b) | doing exercises |
| (c) | drinking more soda | (d) | avoid smoking |



32 Genes are tiny structures that found in.....

- (a) the cell nucleus. (b) the cell membrane
(c) the cell wall (d) mitochondria

33is the loose layer that covers Earth's crust

Concept 4.2

- (a) Humus (b) Water
(c) Soil (d) Air

34 The presence of different types of soil is due to the effect of.....and types of found in this soil

- (a) climate-water (b) sunlight-rocks
(c) water-rocks (d) climate - rocks

35 The two main processes which help in the soil formation are.....and.....

- (a) erosion evaporation (b) weathering-condensation
(c) erosion – weathering (d) melting - condensation

36 Soil is important for plants as.....

- (a) it provides them with nutrients and minerals
(b) it provides the home for some animals.
(c) some animals depend on plants in feeding
(d) it contains many small granules of rocks



37 All the following are from organic ingredients of soil, except.....

- (a) Fungi (b) dead plants
(c) Water (d) bacteria



38 The material rich in nutrients and increases the soil fertility is known as.....

- | | |
|------------------------|------------------|
| (a) Decomposers | (b) Humus |
| (c) Sand | (d) water |

39 Pore spaces of the soil are filled with.....or.....

- | | |
|---------------------------|-----------------------|
| (a) minerals water | (b) air – sand |
| (c) minerals sand | (d) water-air. |

40 Silt particles are larger thanand smaller than.....

- | | |
|--|--|
| (a) clay particles - sand particles | (b) sand particles - clay particles |
| (c) big rocks-clay particles | (d) sand particles - big rocks |

41 When the soil contains large amount of sand particles, the flow of water will

- | | |
|-----------------------|---------------------|
| (a) not change | (b) Increase |
| (c) Decrease | (d) stop |

42soil contains large amount of sand particles

- | | |
|-----------------|--------------------|
| (a) Sand | (b) Silt |
| (c) Clay | (d) Fertile |

43 The soil that retains medium amount of water becomes

- | | |
|------------------------------------|-------------------------|
| (a) more fertile | (b) less fertile |
| (c) unsuitable for planting | (d) very dry |

44 Silt soil containsparticles and its color is.....

- | | |
|---------------------------|--------------------------|
| (a) large – yellow | (b) medium-dark |
| (c) large – dark | (d) medium - gray |



45 Clay soil allows water to flow.....as it has.....pore spaces between its particles

- (a) fast-small (b) slowly-large
- (c) slowly-small (d) fast-large

46 The color of sand soil is.....

- (a) Yellow (b) Gray
- (c) Black (d) red

47soil holds water well so, it becomes..... most of the time

- (a) Sand-wet (b) Clay – wet
- (c) Clay – dry (d) Silt-dry

48 Waterlogged soil contains..... amount of air and this doesn't help..... to grow

- (a) Large – animals (b) Little – animals
- (c) little – roots (d) large – flowers

49 Savannas are.....ecosystems

- (a) wet polar (b) wet grassland
- (c) dry polar (d) dry grasstand

50 Grassland in savanna contains.....soil

- (a) dry sand (b) dry silt
- (c) wet sand (d) wet clay





51 Bogs contain.....soil that retains.....amount of water.

- (a) silt-medium
- (b) sand-large
- (c) clay-large
- (d) clay-medium

52and.....are the most common animals that live in bogs

- (a) Mosquitos-frogs
- (b) Lions-tigers
- (c) Gazelles zebra
- (d) Lions frogs

Question 2

Put (✓) or (✗) To the following statement

Concept 3.2

1)	Heavy rain causes destruction of ecosystems	()
2)	Drought is the rise of water level above the riverbank	()
3)	of the negative effect sandstorms is the dust fills the irrigation canals, affecting the water quality	()
4)	One of the drought is the severe decreases in temperature	()
5)	Floods occur as a result of very dry sandstorms	()
6)	From weather elements humidity percentage and wind speed	()
7)	Warm air density increases because, its molecules expand	()
		()
		Concept 4.1
8)	The color of the fur is considered a structural adaptation	()
9)	The size of the organism's natural habitat does not affect its growth	()





10)	The size of a living organism is one of the traits that is not affected by genetic factors.	()
11)	The body of the emperor penguin is covered with a thin layer of skin to overcome the low temperature	()
12)	Around each eye of an Emperor penguin, there is a circle of skin that doesn't have any feathers	()
13)	Acacia trees and palms are adapted to live in desert environment	()
14)	The skin of a poison dart frog cannot protect it from predators	()
15)	Ecosystems include living organisms only	()
16)	Biotic factors of an ecosystem include sunlight, air and water	()
17)	The light is one of the biotic factors, which affects the plant's growth	()
18)	Ecosystems contain biotic factors and abiotic factors	()
19)	The amount of light affects the growth of plants	()
20)	Water resources in desert include a little amount of groundwater, small water pools and dew	()
21)	Some flowering plants may produce fruits when the days are longer than nights in some environments	()
22)	Chrysanthemum plant can produce flowers when the nights are longer than days.	()
23)	All living organisms inherited traits from their parents	()
24)	All Birman cats have white, very short and silky hair	()





25)	There is no Sphynx cat has long hair like Birman cat	()
26)	Environmental and genetic factors affect the behaviors, structure and the growth of living organisms	()
27)	Genes carry inherited traits from parents to their offspring	()
28)	Drinking soda and smoking are some bad habits that positively affect your health.	()
	Concept 4.2	()
29)	There are many types of soil on Earth	()
30)	All types of soil are similar in color and texture	()
31)	The soil contains organic and inorganic ingredients	()
32)	Wind and water help in formation of the soil	()
33)	Running water is the only factor that breaks down rocks causing soil erosion	()
34)	Decomposers play an important role in recycling the nutrients to the soil	()
35)	All components of the soil can be seen by naked eye	()
36)	The size of sand particles is smaller than silt and clay particles.	()
37)	By increasing the amount of pore spaces between the particles of soil, it can retain more amount of water.	()
38)	Silt soil has medium-sized particles	()
39)	The soil that keeps its organic materials becomes unsuitable for planting	()





40]	Clay soil has a gray color while sand soil has a yellow color	()
41]	The size of sand particles is smaller than that of silt particles	()
42]	Water flows through sand soil faster than in clay soil	()
43]	The climate doesn't affect the types of plants that can grow in an area	()
44]	Waterlogged soil contains very little air for roots to grow	()
45]	Grassland ecosystem supports large herbivorous like gazelles with food	()
46]	Savannas are wetland ecosystems	()
47]	Bog ecosystem has very hot temperature	()

Question 3 Complete the following sentences **Concept 3.2**

1]	One of the negative effects of drought is (.....)
2]	From the reason of flood occurrence are (.....) and sudden melting of ice
3]	In data analysis stage, we use (.....) to represent data and share information
4]	Sandstorms occur in the (.....) areas
5]	One of the causes of drought is (.....)
6]	One of the causes of flooding is (.....)





7)	One of the difficulties that faces farming in the deserts is (.....)	
8)	Rain may fall down in a form of (.....) ,(.....) and (.....)	
9)	Warm wet air molecules rise up while cold air molecules falls down as a result of (.....) process	
10)	(.....) occurs due to sudden melting of ice	
11)	The (.....) occurs due to extremely increase in temperature and lake of water	
12)	(.....) can build up on solar panels as a result of storms, cause disrupting power	
13)	Air is considered one of the (.....) factors	Concept 4.1
14)	The palm tree adapts with (.....) of water in the desert	
15)	Fish migration is considered one of the (.....) adaptation	
16)	From the environmental factors affecting living organisms are (.....) and (.....)	
17)	The (.....) adaptation of the organism is related to its body structure.	
18)	The thorns on the stems of some plants are considered (.....) adaptation	
19)	The leaves of plants in the Western Desert are (.....)	
20)	It is considered (.....) one of the reasons for birds returning to their habitat	





21)	The (.....) plant grows when the day time is shorter than the night time
22)	Light is considered one of the (.....) factors
23)	The factors that influence the formation of the human internally and externally are: (.....), (.....) and (.....)
24)	The Sphinx cat and the Birman cat belong to the (.....) cats
25)	The (.....) of the cell carries the genetic genes
26)	The survival of living organisms despite difficult conditions is related to the (.....) factors
27)	Emperor penguin lives in (.....) and it has a thick (.....) and its skin is covered with dense (.....) to keep its body warm
28)	African penguin has a circle of skin that doesn't have any (.....) around each of its eyes.
29)	Any ecosystem contains (.....) factors and (.....) factors
30)	Light, air and water are (.....) needs for plants to grow
31)	Plants respond to the amount of (.....) and dark they receive daily to grow
32)	Hot deserts have a little amount of (.....) far below the ground surface
33)	All living organisms inherited (.....) factors which transferred from parents to their offspring
34)	The type of cats that inherits its hairless body from its parents, is known as (.....) cats





Concept 4.2

- 35) Color and place of the flower are two inherited (.....) in plants
- 36) The way of your earlobes hang and the length of your fingers are two (.....) traits controlled by (.....) that are found in the cell nucleus
- 37) Sand (.....) and (.....) particles are products of rocks weathering
- 38) The soil is composed of many inorganic ingredients as (.....) and minerals
- 39) The building units of rocks are called (.....)
- 40) The processes that play an important role in the soil formation are erosion, (.....) and (.....)
- 41) Organic material in the soil includes the remains of dead (.....) and (.....)
- 42) The spaces among the particles of the soil are called (.....)
- 43) According to the size of particles in the soil (.....) are the biggest particles while (.....) are the smallest particles
- 44) During rainfall, the soil of humid areas retains (.....) amount of water
- 45) When water level increases in some humid areas it becomes (.....) soil that contains a little amount of (.....)
- 46) Sand soil is (.....) and loose soil, so large trees can't grow in it.





- 47) Savannas are (.....) ecosystem that contains dry (sand) soil
- 48) Herbivores like gazelles can live in (.....) ecosystem that has grasses and small plants

Question 4 Write the scientific term for each of the following Concept 3.2

1)	Severe shortage of water available in an area.	()
2)	Strong winds carry sand and dust blow up from an extremely dry area	()
3)	Water flows over the edge of the riverbank and onto the land	()
4)	A scientist who uses a variety of tools to study and predict the weather	()
5)	The weather condition in a long period of time	()
6)	The land suddenly floods with water	()
7)	A phenomenon occurs when wind blows over mountains chains	()
8)	A device is used in tracking hurricanes and storms	()
9)	The water vapor existing amount in air	()
10)	A device is used in determine air pressure	()
		Concept 4.1
11)	The seasonal migration of animals from one place to another and considered a behavioral adaptation	()





12)	A process in which a living organism is able to live in a way that enables it to survive	()
13)	Factors that determine the structure and characteristics of a living organism and are passed from parents to offspring.	()
14)	They are the living organisms in the ecosystem, such as plants and animals	()
15)	A behavior or any way acts by a living organism to survive.	()
16)	The process by which a living organism becomes capable of living in an environment in a way that enables its survival.	()
17)	An environmental factor that affects plant growth and food formation	()
18)	Plants give fruits when the days are longer than the nights	()
19)	The information that is transmitted of the cell nucleus to the next generations	()
20)	A plant that grows faster when the daytime is shorter than the nighttime	()
21)	An organelle in the cell which is responsible for reproduction and the construction of cell-specific information	()
22)	It contains biotic factors and abiotic factors that interact with each other.	()
23)	The factors that include living organisms in an ecosystem	()





24)	It is a desert biome that has a cold climate all the year	()
25)	It is the factor that controls which trait get inherited from parents to their offspring	()
26)	A type of cats that have long, silky hair with different colors	()
27)	A type of cats that doesn't have the genetic factor of long hair	()
28)	They are external factors that affect our health, and we might not able to control them	()
29)	They are responsible for determining the body feature, and present in the cell nucleus	()
30)	Traits that play an important role in determining the shape and structure of an organism	()
		Concept 4.2
31)	The loose layer that covers Earth's surface	()
32)	The building blocks of rocks	()
33)	The process that breaks down rock into small particles	()
34)	Living organisms help in recycling nutrients from dead plants and animals back to the soil	()
35)	It is an organic material that is rich in nutrients produced from decomposition of dead organisms	()
36)	The spaces between soil particles	()
37)	The soil that has large-sized particles and its color is yellow	()





38)	The dark (black) soil that can retain large amount of water.	()
39)	A type of soil that retains medium amount of water and has medium pore spaces between its particles	()
40)	Grassland ecosystems that contain dry sand soil and are common in central Africa	()

Question 5 Give reason for the following Concept 3.2

- 1- The dangerous of flooding increases if the land is frozen
-
- 2- Snow forming at the top of a mountain but it still liquid at the bottom of the same mountain
-
- 3- Plants grow slowly in the windless area of the mountain
-
- 4- Air pressure decreases at the top of mountains
-
- 5- Feeling very hot at the equator
-
- 6- It is suitable to cultivate in the mountain on the side that facing wet air.
-
- 7- Transpiration in plant is a special type of evaporation
-



Concept 4.1

- 8- How do the environmental factors affect the growth of living organisms?
-





9- Plants manage to adapt to warm and dry climates?

-

10- How can the Dorcas gazelle camouflage in the desert?

-

11- Birds migrate at different times of the year?



-

12- Why do some plants have long roots?

-

13- The variation in length and smoothness of the fur of cats of the same kind?

-

14- Some plants have shallow, short roots.

-

15- African penguin has a circle of skin that doesn't have any feather around each of its eyes

-

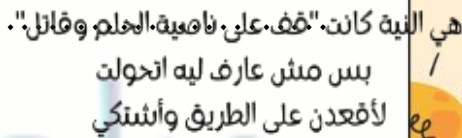
16- Poison dart frog has colorful poisonous skin

-

17- Some plants that live in desert environment have long roots

-

18- A Birman kitten has a long and silky hair



-

19- Sphynx cat doesn't have long hair

-

20- Your lifestyle choices affect your health



-





Concept 4.2

21- Composition of soil differs from one place to another on Earth's surface

-

22- Soil is very important for plants

-

23- Decomposers have an important role in the formation of soil

-

24- Importance of humus for soil and plants

-

25- Water can flow very fast through sand soil

-



26- Clay soil can retain more amount of water

-

27- Large trees can't grow in savanna grassland ecosystems

-

28- The soil in a bog ecosystem is wet most of the time

-

Question 6

What happen when

Concept 3.2

1- the ice melts suddenly

-

2- the weather is dry for a long time

-

3- accumulation of dust over solar panels

-

-





4- Put green plant inside plastic bag and expose it to the sun

-

5- Dust can build up on solar panels surfaces

-

6- air cools in upper atmospheric layers

-



7- If the poison dart frog doesn't have big eyes.

Concept 4.1

-

8- : Lack of light for plant growth

-

9- If the Arctic fox does not have a thick fur

-

10- when a green plant is placed away from a source of sunlight (in terms of growth direction)

-



11- There are no healthcare services available in some places

-

12- The plants in an ecosystem, if they receive too intense light

-

13- Two similar plants, if they are exposed to the same intensity and duration of light

-

14- Arctic fox, if it has a black fur instead of a white fur

-

15- African penguin, if it has dense feathers around each of its eyes.

-





16- The genetic factor of hairless body trait is transferred from Sphynx cats parents to their offspring

-

17- The inherited traits are transferred from desert plants to another through generations.

-

18- The plants if the soil becomes unhealthy

-

Concept 4.2

19- The soil if the temperature in the environment increases

-

20- The soil if it does not contain any decomposer organisms

-

21- The rocks if they are affected by the weathering process

-

22- The soil if it has large amount of pore spaces between its particles

-

23- The soil fertility if the soil hold medium amount of water

-

24- The soil when there is much water in a humid area

-

Question 7 Vairous questions

1- Mention the three main stages that meteorologists follow to study weather forecast

1.

2.

3.





2- the negative effects of sand storm blowing

-

3- the negative effects of flooding

-

4- Explain methods that farmers created to overcome desert soil

(1)

(2)

(3)

5- What is the reason the occurrence of sandstorms

-

6- What are the main stages of water cycle in nature

.....

7- Identify some traits of a living organism that are determined by genetic factors?

-

8- How do genetic factors affect the growth of living organisms?

-

.....

9- Explain the reasons for bird migration

-

10- Mention the different environmental factors that help living organisms to grow?

-





11- Mention the effects of

- 1- Drought:
- 2- Sand storms:-
- 3- Flooding :-

12- Cross out the odd word

- (1) Lizards – Palms - Opuntia - Frog
- (2) Human-Air - Plants - Animals
- (3) Sunlight - Plants - Water- Soil

13- the Sphinx cat and the Birman cat in terms of :

- The hair :
- The kind

14- Explain: It was found that the children have the same eye color as the father

-



صَبَاحُ الْخَيْرِ

إِنَّ اللَّهَ سَبْحَانَهُ يَرَى كُلَّ
مَا تَمْزُونَ بِهِ وَهَذَا سَبَبٌ
كَافٍ كَيْ تَسْتَمِرُوا زَعْمَ كُلِّ
شَيْءٍ ، فَإِنَّهُ لَنْ يَتْرُكَكُمْ
دُونَ أَنْ يُكْرِمَكُمْ
وَيُكَافِئَكُمْ عَلَى صَبْرِكُمْ وَ
عَزِيمَتِكُمْ ، أَتَمَنَّى لَكُمْ
صَبَاحًا لَطِيفًا مِثْلَ قُلُوبِكُمْ



مراجعات النخبة



Review for April

2025



Answer form

Science



Primary
Second Term
2025



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Question 1

choose the correct answer

Concept 3.2

1 Sandstorms occur inregions

- | | |
|-------------------|-------------|
| (a) Polar | (b) Coastal |
| (c) <u>Desert</u> | (d) ice |

2 All of the following are flood damages except

- | | |
|-----------------------------|----------------------------|
| (a) <u>moderate weather</u> | (b) livestock drowning |
| (c) damaging building | (d) disrupting the economy |

3 The drought occurs due to.....

- | | |
|----------------------|-----------------------------|
| (a) moderate weather | (b) <u>high temperature</u> |
| (c) low temperature | (d) both (a and c) |

3 The first step in weather forecast and understand the climate changes is.....process

- | | |
|-----------------------|----------------------------|
| (a) Data analysis | (b) <u>Data collecting</u> |
| (c) Connecting things | (d) Using maps |

5 Theeffects on climate and weather

- | | |
|----------------|-----------------------------|
| (a) mountains | (b) kind of soil |
| (c) Reservoirs | (d) <u>all the previous</u> |

6 We can describe the that is very fast

- | | |
|-----------------|-----------------|
| (a) air density | (b) <u>Wind</u> |
| (c) Humidity | (d) temperature |





7 The weather condition in a short period of time is the.....

- (a) Humidity
- (b) Climate
- (c) Weather
- (d) Clouds

8 Thecan give a report about air condition

- (a) Fireman
- (b) Meteorologist
- (c) Astronaut
- (d) Pilot

Concept 4.1

9 Which of the following is not considered from the abiotic factors...

- (a) Light
- (b) Water
- (c) Temperature
- (d) Plant

10 From the behavioral adaptations is.....

- (a) Thick skin
- (b) Fur
- (c) Long ears
- (d) Bird migration

11 Which of the following does not help plants to survive in desert environments.....

- (a) Thorns
- (b) Thick roots
- (c) Excessive transpiration
- (d) Small leaves

12 The adaptation of living organisms with the environment leads to....

- (a) Its extinction
- (b) Its survival
- (c) Its population decreasing
- (d) Its migration



13 The..... helps in the cell to build genetic information between generations

- | | |
|------------------|--------------------|
| (a) Vacuoles | (b) Mitochondria |
| (c) Chloroplasts | (d) <u>Nucleus</u> |

14 Thetraits control the shape of the cat's pointed ear.

- | | |
|-------------------|--------------------|
| (a) Environmental | (b) Abiotic |
| (c) Living | (d) <u>Genetic</u> |

15 Some plants, such as..... bear fruits when the day time is shorter than the night time.

- | | |
|----------------------|--------------------------|
| (a) Cactus | (b) Herbaceous plants |
| (c) Flowering plants | (d) <u>Chrysanthemum</u> |

16 The Birman cat belongs to the.....

- | | |
|------------------|--------------------------|
| (a) Wild cats | (b) Desert cats |
| (c) Pharaoh cats | (d) <u>Domestic cats</u> |

17 All of the following are structural adaptations except

- | | |
|--------------------------------|--------------------------------------|
| (a) Size of the plant leaves | (b) Stem length |
| (c) Thorns on the plant leaves | (d) <u>Direction of plant growth</u> |

18 All of the following are lifestyles except.....

- | | |
|--------------|--------------------------------|
| (a) Smoking | (b) Diet |
| (c) Exercise | (d) <u>Healthcare services</u> |





19 Emperor penguin lives in..... while African penguin lives in.....

- (a) coast of South Africa - arctic region
- (b) coast of South Africa - Antarctic region
- (c) Antarctic region - coast of South Africa
- (d) Antarctic region - arctic region.

20 Poison dart frog lives in theenvironment

- (a) Arctic
- (b) Antarctic
- (c) Desert
- (d) tropical rain forest

21 Abiotic factors in an ecosystem include.....

- (a) animals and air
- (b) grasses and soil
- (c) living organisms
- (d) nonliving things

22 The plants live in desert are considered as one of the.....and their long roots are considered as one of the characteristics

- (a) abiotic factor – physical
- (b) abiotic factor – structural
- (c) biotic factor-physical
- (d) biotic factor - behavioral

23 Plants, animals and water are.....

- (a) biotic factors only
- (b) abiotic factors only
- (c) biotic and abiotic factors
- (d) behavioral characteristics

24 Plants respond to the amount of.....they receive daily.

- (a) light only
- (b) dark only
- (c) light and dark
- (d) biotic factors





25 Hot deserts have.....rainfall and.....amount of groundwater.

- | | | | |
|-----|----------------|-----|-----------------------|
| (a) | little – large | (b) | heavy – large |
| (c) | heavy-small | (d) | <u>little - small</u> |

26 Transferring of genetic factors happens in.....

- | | | | |
|-----|--------------------|-----|-----------------------------------|
| (a) | humans only | (b) | animals only |
| (c) | humans and animals | (d) | <u>humans, animals and plants</u> |

27 All the following are inherited traits in humans, except.....

- | | | | |
|-----|------------------|-----|------------|
| (a) | eye color | (b) | nose shape |
| (c) | <u>fur color</u> | (d) | ear shape |

28 Appearance of inherited traits on offspring, is due to passing down.....from their parents

- | | | | |
|-----|------------------------|-----|-----------|
| (a) | environmental factors | (b) | Behaviors |
| (c) | <u>genetic factors</u> | (d) | leaves |

29 Birman cats have.....

- | | | | |
|-----|-----------------|-----|-----------------------------|
| (a) | very fine hair. | (b) | <u>long and silky hair.</u> |
| (c) | no hair | (d) | black feathers |

30 Sphynx cats and Birman cats are different in the.....

- | | | | |
|-----|----------------|-----|-----------------------|
| (a) | number of eyes | (b) | number of ears |
| (c) | number of legs | (d) | <u>length of hair</u> |

31 Bad habits in humans lifestyle include.....

- | | | | |
|-----|---------------------------|-----|-----------------|
| (a) | eating healthy food | (b) | doing exercises |
| (c) | <u>drinking more soda</u> | (d) | avoid smoking |



32 Genes are tiny structures that found in.....

- (a) the cell nucleus. (b) the cell membrane
(c) the cell wall (d) mitochondria

33is the loose layer that covers Earth's crust

Concept 4.2

- (a) Humus (b) Water
(c) Soil (d) Air

34 The presence of different types of soil is due to the effect of.....and types of found in this soil

- (a) climate-water (b) sunlight-rocks
(c) water-rocks (d) climate - rocks

35 The two main processes which help in the soil formation are.....and.....

- (a) erosion evaporation (b) weathering-condensation
(c) erosion – weathering (d) melting - condensation

36 Soil is important for plants as.....

- (a) it provides them with nutrients and minerals
(b) it provides the home for some animals.
(c) some animals depend on plants in feeding
(d) it contains many small granules of rocks

37 All the following are from organic ingredients of soil, except.....

- (a) Fungi (b) dead plants
(c) Water (d) bacteria





38 The material rich in nutrients and increases the soil fertility is known as.....

- (a) **Decomposers** (b) **Humus**
- (c) **Sand** (d) **water**

39 Pore spaces of the soil are filled with.....or.....

- (a) **minerals water** (b) **air – sand**
- (c) **minerals sand** (d) **water-air.**

40 Silt particles are larger thanand smaller than.....

- (a) **clay particles - sand particles** (b) **sand particles - clay particles**
- (c) **big rocks-clay particles** (d) **sand particles - big rocks**

41 When the soil contains large amount of sand particles, the flow of water will

- (a) **not change** (b) **Increase**
- (c) **Decrease** (d) **stop**

42soil contains large amount of sand particles

- (a) **Sand** (b) **Silt**
- (c) **Clay** (d) **Fertile**

43 The soil that retains medium amount of water becomes

- (a) **more fertile** (b) **less fertile**
- (c) **unsuitable for planting** (d) **very dry**

44 Silt soil containsparticles and its color is.....

- (a) **large – yellow** (b) **medium-dark**
- (c) **large – dark** (d) **medium - gray**





45 Clay soil allows water to flow.....as it has.....pore spaces between its particles

- | | | | |
|-----|---------------------|-----|--------------|
| (a) | fast-small | (b) | slowly-large |
| (c) | <u>slowly-small</u> | (d) | fast-large |

46 The color of sand soil is.....

- | | | | |
|-----|---------------|-----|------|
| (a) | <u>Yellow</u> | (b) | Gray |
| (c) | Black | (d) | red |

47soil holds water well so, it becomes..... most of the time

- | | | | |
|-----|------------|-----|-------------------|
| (a) | Sand-wet | (b) | <u>Clay – wet</u> |
| (c) | Clay – dry | (d) | Silt-dry |

48 Waterlogged soil contains..... amount of air and this doesn't help..... to grow

- | | | | |
|-----|-----------------------|-----|------------------|
| (a) | Large – animals | (b) | Little – animals |
| (c) | <u>little – roots</u> | (d) | large – flowers |

49 Savannas are.....ecosystems

- | | | | |
|-----|-----------|-----|----------------------|
| (a) | wet polar | (b) | wet grassland |
| (c) | dry polar | (d) | <u>dry grasstand</u> |

50 Grassland in savanna contains.....soil

- | | | | |
|-----|-----------------|-----|----------|
| (a) | <u>dry sand</u> | (b) | dry silt |
| (c) | wet sand | (d) | wet clay |





51 Bogs contain.....soil that retains.....amount of water.

- (a) silt-medium
- (b) sand-large
- (c) clay-large
- (d) clay-medium

52and.....are the most common animals that live in bogs

- (a) Mosquitos-frogs
- (b) Lions-tigers
- (c) Gazelles zebra
- (d) Lions frogs

Question 2

Put (✓) or (✗) To the following statement

Concept 3.2

1)	Heavy rain causes destruction of ecosystems	✓
2)	Drought is the rise of water level above the riverbank	✗
3)	of the negative effect sandstorms is the dust fills the irrigation canals, affecting the water quality	✓
4)	One of the drought is the severe decreases in temperature	✗
5)	Floods occur as a result of very dry sandstorms	✗
6)	From weather elements humidity percentage and wind speed	✓
7)	Warm air density increases because, its molecules expand	✗
		Concept 4.1
8)	The color of the fur is considered a structural adaptation	✓
9)	The size of the organism's natural habitat does not affect its growth	✗





10)	The size of a living organism is one of the traits that is not affected by genetic factors.	<u>x</u>
11)	The body of the emperor penguin is covered with a thin layer of skin to overcome the low temperature	<u>x</u>
12)	Around each eye of an Emperor penguin, there is a circle of skin that doesn't have any feathers	<u>x</u>
13)	Acacia trees and palms are adapted to live in desert environment	<u>✓</u>
14)	The skin of a poison dart frog cannot protect it from predators	<u>x</u>
15)	Ecosystems include living organisms only	<u>x</u>
16)	Biotic factors of an ecosystem include sunlight, air and water	<u>x</u>
17)	The light is one of the biotic factors, which affects the plant's growth	<u>x</u>
18)	Ecosystems contain biotic factors and abiotic factors	<u>✓</u>
19)	The amount of light affects the growth of plants	<u>✓</u>
20)	Water resources in desert include a little amount of groundwater, small water pools and dew	<u>✓</u>
21)	Some flowering plants may produce fruits when the days are longer than nights in some environments	<u>✓</u>
22)	Chrysanthemum plant can produce flowers when the nights are longer than days.	<u>✓</u>
23)	All living organisms inherited traits from their parents	<u>✓</u>
24)	All Birman cats have white, very short and silky hair	<u>x</u>





25)	There is no Sphynx cat has long hair like Birman cat	✓
26)	Environmental and genetic factors affect the behaviors, structure and the growth of living organisms	✓
27)	Genes carry inherited traits from parents to their offspring	✓
28)	Drinking soda and smoking are some bad habits that positively affect your health.	x
Concept 4.2		
29)	There are many types of soil on Earth	✓
30)	All types of soil are similar in color and texture	x
31)	The soil contains organic and inorganic ingredients	✓
32)	Wind and water help in formation of the soil	✓
33)	Running water is the only factor that breaks down rocks causing soil erosion	x
34)	Decomposers play an important role in recycling the nutrients to the soil	✓
35)	All components of the soil can be seen by naked eye	x
36)	The size of sand particles is smaller than silt and clay particles.	x
37)	By increasing the amount of pore spaces between the particles of soil, it can retain more amount of water.	x
38)	Silt soil has medium-sized particles	✓
39)	The soil that keeps its organic materials becomes unsuitable for planting	x





40)	Clay soil has a gray color while sand soil has a yellow color	<u>x</u>
41)	The size of sand particles is smaller than that of silt particles	<u>x</u>
42)	Water flows through sand soil faster than in clay soil	<u>✓</u>
43)	The climate doesn't affect the types of plants that can grow in an area	<u>x</u>
44)	Waterlogged soil contains very little air for roots to grow	<u>✓</u>
45)	Grassland ecosystem supports large herbivorous like gazelles with food	<u>✓</u>
46)	Savannas are wetland ecosystems	<u>x</u>
47)	Bog ecosystem has very hot temperature	<u>x</u>

Question 3

Complete the following sentences

Concept 3.2

1)	One of the negative effects of drought is (<u>no enough water for people, plants and animals</u>)
2)	From the reason of flood occurrence are (<u>increase the rate of rain fall</u>) and sudden melting of ice
3)	In data analysis stage, we use (<u>weather maps</u>) to represent data and share information
4)	Sandstorms occur in the (<u>desert</u>) areas
5)	One of the causes of drought is (<u>extreme hot temperature</u>)
6)	One of the causes of flooding is (<u>sudden melt of snow</u>)





7)	One of the difficulties that faces farming in the deserts is (<u>Extreme hot and dry weather</u>)
8)	Rain may fall down in a form of (<u>water</u>) ,(<u>sleet</u>) and (<u>snow or ice</u>)
9)	Warm wet air molecules rise up while cold air molecules falls down as a result of (<u>Convection</u>) process
10)	(<u>flood</u>) occurs due to sudden melting of ice
11)	The (<u>drought</u>) occurs due to extremely increase in temperature and lake of water
12)	(<u>Dust</u>) can build up on solar panels as a result of storms, cause disrupting power
13)	Air is considered one of the (<u>abiotic</u>) factors
14)	The palm tree adapts with (<u>lack</u>) of water in the desert
15)	Fish migration is considered one of the (<u>behavioral</u>) adaptation
16)	From the environmental factors affecting living organisms are (<u>availability of water and light</u>) and (<u>size of habitat</u>)
17)	The (<u>Structural</u>) adaptation of the organism is related to its body structure.
18)	The thorns on the stems of some plants are considered (<u>structural</u>) adaptation
19)	The leaves of plants in the Western Desert are (<u>thick</u>)
20)	It is considered (<u>shortage of food and water or limited resting sites</u>) one of the reasons for birds returning to their habitat

Concept 4.1





21)	The (<u>chrysanthemum</u>) plant grows when the day time is shorter than the night time
22)	Light is considered one of the (<u>A biotic</u>) factors
23)	The factors that influence the formation of the human internally and externally are: (<u>lifestyle</u>) , (<u>environmental</u>) and (<u>genetic factors</u>)
24)	The Sphinx cat and the Birman cat belong to the (<u>domestic</u>) cats
25)	The (<u>nucleus</u>) of the cell carries the genetic genes
26)	The survival of living organisms despite difficult conditions is related to the (<u>genetic</u>) factors
27)	Emperor penguin lives in (<u>antarctic</u>) and it has a thick (<u>fatty layer</u>) and its skin is covered with dense (<u>feathers</u>) to keep its body warm
28)	African penguin has a circle of skin that doesn't have any (<u>feathers</u>) around each of its eyes.
29)	Any ecosystem contains (<u>biotic</u>) factors and (<u>abiotic</u>) factors
30)	Light, air and water are (<u>basic</u>) needs for plants to grow
31)	Plants respond to the amount of (<u>light</u>) and dark they receive daily to grow
32)	Hot deserts have a little amount of (<u>groundwater</u>) far below the ground surface
33)	All living organisms inherited (<u>genetic</u>) factors which transferred from parents to their offspring
34)	The type of cats that inherits its hairless body from its parents, is known as (<u>sphynx</u>) cats
35)	Color and place of the flower are two inherited (<u>traits</u>) in plants





36)	The way of your earlobes hang and the length of your fingers are two (<u>inherited</u>) traits controlled by (<u>genes</u>) that are found in the cell nucleus
37)	Sand (<u>silt</u>) and (<u>clay</u>) particles are products of rocks weathering
38)	The soil is composed of many inorganic ingredients as (<u>air water</u> , <u>rocks</u>) and minerals
39)	The building units of rocks are called (<u>minerals</u>)
40)	The processes that play an important role in the soil formation are erosion, (<u>weathering</u>) and (<u>deposition</u>)
41)	Organic material in the soil includes the remains of dead (<u>plants</u>) and (<u>animals</u>)
42)	The spaces among the particles of the soil are called (<u>pore spaces</u>)
43)	According to the size of particles in the soil (<u>sand</u>) are the biggest particles while (<u>clay</u>) are the smallest particles
44)	During rainfall, the soil of humid areas retains (<u>large</u>) amount of water
45)	When water level increases in some humid areas it becomes (<u>waterlogged</u>) soil that contains a little amount of (<u>air</u>)
46)	Sand soil is (<u>dry</u>) and loose soil, so large trees can't grow in it.
47)	Savannas are (<u>dry grassland</u>) ecosystem that contains dry (sand) soil
48)	Herbivores like gazelles can live in (<u>savannah</u>) ecosystem that has grasses and small plants

Question 4

Write the scientific term for each of the following

Concept 3.2

1)	Severe shortage of water available in an area.	<u>Drought</u>
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2)	Strong winds carry sand and dust blow up from an extremely dry area	<u>Sand or dust storm</u>
3)	Water flows over the edge of the riverbank and onto the land	<u>Flood</u>
4)	A scientist who uses a variety of tools to study and predict the weather	<u>Meteorologists</u>
5)	The weather condition in a long period of time	<u>Climate</u>
6)	The land suddenly floods with water	<u>Flooding</u>
7)	A phenomenon occurs when wind blows over mountains chains	<u>Rain shadow</u>
8)	A device is used in tracking hurricanes and storms	<u>weather radar</u>
9)	The water vapor existing amount in air	<u>Humidity</u>
10)	A device is used in determine air pressure	<u>Barometer</u>
	Concept 4.1	
11)	The seasonal migration of animals from one place to another and considered a behavioral adaptation	<u>Bird migration</u>
12)	A process in which a living organism is able to live in a way that enables it to survive	<u>Adaptations</u>
13)	Factors that determine the structure and characteristics of a living organism and are passed from parents to offspring.	<u>structural adaptation</u>
14)	They are the living organisms in the ecosystem, such as plants and animals	<u>Biotic factors</u>
15)	A behavior or any way acts by a living organism to survive.	<u>behavioral adaptation</u>





16)	The process by which a living organism becomes capable of living in an environment in a way that enables its survival.	<u>Adaptation</u>
17)	An environmental factor that affects plant growth and food formation	<u>Availability of water and light</u>
18)	Plants give fruits when the days are longer than the nights	<u>Flowering plants</u>
19)	The information that is transmitted of the cell nucleus to the next generations	<u>Genes</u>
20)	A plant that grows faster when the daytime is shorter than the nighttime	<u>chrysanthemum</u>
21)	An organelle in the cell which is responsible for reproduction and the construction of cell-specific information	<u>nucleus</u>
22)	It contains biotic factors and abiotic factors that interact with each other.	<u>Ecosystem</u>
23)	The factors that include living organisms in an ecosystem	<u>biotic factors</u>
24)	It is a desert biome that has a cold climate all the year	<u>Antarctic regions</u>
25)	It is the factor that controls which trait get inherited from parents to their offspring	<u>genetic factors</u>
26)	A type of cats that have long, silky hair with different colors	<u>briman cats</u>
27)	A type of cats that doesn't have the genetic factor of long hair	<u>sphynx cats</u>
28)	They are external factors that affect our health, and we might not able to control them	<u>environmental factors</u>





29)	They are responsible for determining the body feature, and present in the cell nucleus	<u>Genes</u>
30)	Traits that play an important role in determining the shape and structure of an organism	<u>hereditary traits</u>
 <p>Concept 4.2</p>		
31)	The loose layer that covers Earth's surface	<u>soil</u>
32)	The building blocks of rocks	<u>minerals</u>
33)	The process that breaks down rock into small particles	<u>weathering</u>
34)	Living organisms help in recycling nutrients from dead plants and animals back to the soil	<u>Decomposer</u>
35)	It is an organic material that is rich in nutrients produced from decomposition of dead organisms	<u>Humus</u>
36)	The spaces between soil particles	<u>pore spaces</u>
37)	The soil that has large-sized particles and its color is yellow	<u>sand soil</u>
38)	The dark (black) soil that can retain large amount of water.	<u>clay spil</u>
39)	A type of soil that retains medium amount of water and has medium pore spaces between its particis	<u>silt soil</u>
40)	Grassland ecosystems that contain dry sand soil and are common in central Africa	<u>savannas</u>

Question 5 Give reason for the following Concept 3.2

1- The dangerous of flooding increases if the land is frozen

- Because it cannot absorb water



2- Snow forming at the top of a mountain but it still liquid at the bottom of the same mountain

- because the temperature decreases in the top of mountain

3- Plants grow slowly in the windless area of the mountain

- Because there are too little amount of water fall on it

4- Air pressure decreases at the top of mountains

- Because the air density is decrease and gravity pull air molecules towards the earth's surface

5- Feeling very hot at the equator

- because the sun rays are perpendicular and giving highest effect of heat

6- It is suitable to cultivate in the mountain on the side that facing wet air.

- because the wet side has warm and humid air

7- Transpiration in plant is a special type of evaporation

- Because it releases water vapor from plant

Concept 4.1

8- How do the environmental factors affect the growth of living organisms?

- Because the environmental factor determines the availability of important resources such as water, light and food

9- Plants manage to adapt to warm and dry climates?

- because they are small and herbal and have short roots near the earth's surface

10- How can the Dorcas gazelle camouflage in the desert?

- because its body color helps it hide in the desert





11- Birds migrate at different times of the year?

- it researches for the best conditions that help them reproduce and preserve their species

12- Why do some plants have long roots?

- because it help it to get the deep groundwater

13- The variation in length and smoothness of the fur of cats of the same kind?

- because this is due to variation of genetic traits

14- Some plants have shallow, short roots.

- because it help it to catch the smallest drop of dew

15- African penguin has a circle of skin that doesn't have any feather around each of its eyes

- to help its body cool fast in hot climate

16- Poison dart frog has colorful poisonous skin

- to protect itself from Predator

17- Some plants that live in desert environment have long roots

- to get the deep groundwater

18- A Birman kitten has a long and silky hair

- Because it inherits this trait from its parents

19- Sphynx cat doesn't have long hair

- Because it doesn't have the genetic factor for long hair

20- Your lifestyle choices affect your health

- Because it depends on your behavior which may be good habits or bad habits

Concept 4.2

21- Composition of soil differs from one place to another on Earth's surface

- Due to the effect of climate and types of rocks found in this soil.



22- Soil is very important for plants

- Because soil provides the plants with its basic needs for growth as it contains air, water and nutrients.

23- Decomposers have an important role in the formation of soil

- Because decomposers recycle the remains of dead plants and animals into chemical nutrients such as carbon, nitrogen and oxygen which are released into soil.

24- Importance of humus for soil and plants

- Because humus increases the soil fertility and helps plants to grow.

25- Water can flow very fast through sand soil

- Because it has large amount of pore spaces between its particles

26- Clay soil can retain more amount of water

- Because it has small amount of pore spaces between its particles.

27- Large trees can't grow in savanna grassland ecosystems

- Because its soil is sand soil which is dry and loose that drains water quickly

28- The soil in a bog ecosystem is wet most of the time

- Because it is rich with clay particles that retain much water very well

Question 6

What happen when

Concept 3.2

1- the ice melts suddenly

- the flooding will occur

2- the weather is dry for a long time

- The drought will occurs





3- accumulation of dust over solar panels

- it will stop generating electrical energy

4- Put green plant inside plastic bag and expose it to the sun

- the water droplets will form inside the bag as a result to transpiration process

5- Dust can build up on solar panels surfaces

- it will stop generating energy

6- air cools in upper atmospheric layers

- it will change into ice and then ice fall in the form of snow

7- If the poison dart frog doesn't have big eyes.

- it cannot see at night

Concept 4.1

8- : Lack of light for plant growth

- it cannot make its own food by photosynthesis and cannot survive

9- If the Arctic fox does not have a thick fur

- it cannot keep its body warm and hide in snow

10- when a green plant is placed away from a source of sunlight (in terms of growth direction)

- Plant will not grow will

11- There are no healthcare services available in some places

- it will be negatively affected on health and growth

12- The plants in an ecosystem, if they receive too intense light

- The too intense light may damage the plant's parts and cause their drying or burning

13- Two similar plants, if they are exposed to the same intensity and duration of light

- The two plants will grow with the same rate.



14- Arctic fox, if it has a black fur instead of a white fur

- It can't hide in snow

15- African penguin, if it has dense feathers around each of its eyes.

- Its body doesn't cool fast at high temperatures

16- The genetic factor of hairless body trait is transferred from Sphynx cats parents to their offspring

- The trait of hairless body appears on the offspring.

17- The inherited traits are transferred from desert plants to another through generations.

- The desert plants are more adapted to survive in extreme desert conditions

18- The plants if the soil becomes unhealthy

- The environment will change leading to death of plants that grow in this environment

Concept 4.2

19- The soil if the temperature in the environment increases

- The soil will dry and may lose its nutrients

20- The soil if it does not contain any decomposer organisms

- The soil will lose the chemical nutrients that are found in dead plants and animals, so the soil will not be fertile

21- The rocks if they are affected by the weathering process

- The rocks are broken down into small pieces such as particles of sand, silt and clay

22- The soil if it has large amount of pore spaces between its particles

- It allows water to flow fast through it

23- The soil fertility if the soil hold medium amount of water

- The soil keeps its organic materials, so it becomes more fertile.

24- The soil when there is much water in a humid area

- The soil becomes waterlogged soil and contains very little amount of air and this doesn't help roots of plants to grow in it





Question 7 Vairous questions

1- Mention the three main stages that meteorologists follow to study weather forecast

1. collecting data
2. Analyzing data
3. Putng all together

2- the negative effects of sand storm blowing

- It harms human eyes and respiratory system

3- the negative effects of flooding

- it damaging building by moving or breaking it

4- Explain methods that farmers created to overcome desert soil

- (1) They improve soil quality
- (2) they use new ways to irrigation crops
- (3) they plant crops that are able to grow in hot climate and low fertility soil

5- What is the reason the occurrence of sandstorms

- when very strong winds blow up sand or dust from a dry area such as desert

6- What are the main stages of water cycle in nature

- (1) evaporation
- (2) condensation
- (3) precipitation
- (4) runoff
- (5) collection





Identify some traits of a living organism that are determined by genetic factors?

- (1) the body size of animals
- (2) the length of plants
- (3) the fur color of animals

8- How do genetic factors affect the growth of living organisms?

- it plays an important role in determine the shape and behavior of an organism and its response to different changes of environmental condition

9- Explain the reasons for bird migration

- it researches for the best conditions that help them reproduce and preserve their spices

10- Mention the different environmental factors that help living organisms to grow?

- (1) the availability or water and light
- (2) size of habitat

11- Mention the effects of

- 1- Drought: it causes no enough water for people, plants and animals
- 2- Sand storms:- it harms huma eyes and respiratory system
- 3- Flooding :- it damaging building by moving or breaking it

12- Cross out the odd word

- (1) Lizards – Palms - Opuntia - Frog
- (2) Human-Air - Plants - Animals
- (3) Sunlight - Plants - Water- Soil





13- the Sphinx cat and the Birman cat in terms of :

- The hair : birman has long silky hair with different color sphynx doesn't have any hair
- The kind Domestic cat

14- Explain: It was found that the children have the same eye color as the father

- this Due to the transfer of hereditary traits from cell of father to his child during reproduction



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من
تراست أكاديمي اونلاين
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