



MR BRAIN
ACADEMY

Final Revision



2025

Science G6

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Question 1: Choose the correct answer

- 1- In winter, water falls due to process
 - a) Condensation
 - b) Evaporation
 - c) Precipitation
 - d) Collection
- 2- The distribution of energy play an important role in evaporation process in water cycle
 - a) Electrical
 - b) Solar
 - c) Thermal
 - d) Sound
- 3- All the following are considered as the main process in transferring water through water reservoirs except
 - a) Condensation
 - b) Collection
 - c) Evaporation
 - d) Precipitation
- 4- Leakage of water into groundwater reservoirs is due to the action of
 - a) Condensation
 - b) Gravity
 - c) Precipitation
 - d) Evaporation



- 5- Both andprocess happen due to the decrease of thermal
- a) Melting- freezing
 - b) Melting – condensation
 - c) Freezing – condensation
 - d) Melting- evaporation
- 6- The clouds are formed due to process
- a) Melting
 - b) Collection
 - c) Condensation
 - d) Freezing
- 7- The form of evaporation that takes place in the leaves is called
- a) Transpiration
 - b) Collection
 - c) Melting
 - d) Freezing
- 8- Gathering of water of rains to form streams, rivers or lakes is called
- a) Precipitation
 - b) Evaporation
 - c) Collection
 - d) Runoff



9- Due to convection air moves upward above
..... air

- a) Cold- hot
- b) Hot- cold
- c) Cold- warm
- d) Warm- hot

10- The air in the atmosphere heats up by the help of the
.....

- a) Moon
- b) Heater
- c) Gravity
- d) Sun

11- When a liquid is heated, it will.....and become less
dense and

- a) Expand- heavier
- b) Contract lighter
- c) Expand-lighter
- d) Contract- heavier

12- The weather in the area near the equator is

- a) Hot and humid
- b) Hot and snowy
- c) Warm and humid
- d) Warm and snowy



13- Wind helps in transporting water through water cycle by carrying

- a) Sand grains
- b) Small rocks
- c) Plant leaves
- d) Water vapor

14- During washing of hands, the water falls from the tap toward your hand by the effect of

- a) Condensation
- b) Gravity
- c) Freezing

15- Wind is produced by the help of

- a) Water turbine
- b) Electric generator
- c) Solar radiation
- d) Electric motor

16- The air causes the formation of many desert areas around the Earth surface

- a) Cold
- b) Moistened
- c) Dry
- d) Dusty

17- When the warm air contains large amount of the warm air loses it in the form of rain

- a) Ice
- b) Liquid water
- c) Water vapor



- 18- Desert farming depends on the maximum use of, as its quantity is very small
- a- Sand
 - b- Sunlight
 - c- Water
 - d- winds
- 19- the density of cold dry air is that of hot humid air.
- a- More than
 - b- Equal to
 - c- Less than
 - d- Similar to
- 20- The side of coastal mountain ranges in which air moves up when hitting a mountain is the side, while the other side is the side
- a- Wet – dry
 - b- Dry – wet
 - c- Upper – lower
 - d- Lower – upper
- 21- The change of water from liquid state to gas state is known as Process
- a- Evaporation
 - b- Melting
 - c- Condensation
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22- The barometer is used to measure

- a- Air temperature
- b- Atmospheric pressure
- c- Mass
- d- length

23- heat transfers from the Object to the object

- a- big – small
- b- small – big
- c- hot – cold
- d- cold - hot

24- at night. When the sun sets, on a beach

- a- the temperature of both the land and water increases
- b- the temperature of both the land and the water decreases
- c- the temperature of the land increases, while the temperature of water decreases
- d- the temperature of the land decreases, while the temperature of water increases

25- the form of energy that flows from a hot object to a cold object is called

- a- Sound
- b- Thermal
- c- Magnetic
- d- Potential



26- Heat transfers by convection in And

- a- Liquids – gases
- b- Solids – gases
- c- Solids – liquids
- d- Liquids – space

27- Convection currents in the atmosphere are controlled by

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- a- Precipitation
- b- Moon's rotation
- c- The energy from the sun
- d- Earth's rotation

28- Extreme weather conditions include all the following, except

- a- Drought
- b- Flooding
- c- Sandstorms
- d- Sunrise

29- Drought affects all the following, except

- a- People
- b- Plants
- c- Buildings
- d- Animals



30- If a driver's visibility range in sunny weather is up to 5 km, the visibility range may reach in stormy weather

- a- 1 km or less
- b- 6 km
- c- 8 km
- d- 10 km

31- Dorcas gazelle lives in

- a- Tropical area
- b- Desert area
- c- North pole
- d- South pole

32- Birds migrate to search for all of the following, except

- a- Best conditions for reproduction
- b- Different food resources
- c- Another suitable habitat
- d- Another unsuitable climate

33- Photosynthesis process is affected by some environmental factors such as

- a- Availability of water only
- b- Availability of light only
- c- Availability of water and light
- d- The length of the plants



- 34- The red sea in Egypt includes all of the following environments, except Environment
- a- Marine
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 - d- Coastal
- 35- The trait that helps emperor penguin to keep its body warm, is the
- a- Presence of thin fatty layer
 - b- Presence of thick fatty layer
 - c- Absence of feathers around its eyes
 - d- Absence of feathers around its body
- 36- Poison dart frog lives in Environment
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 - b- Antarctic
 - c- Desert
 - d- Tropical rain forest
- 37- Acacia tree and arctic fox live in
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- 38- In the arctic ecosystem,
- a- Grasses feed on wolves
 - b- Grasses feed on caribou
 - c- Caribou feeds on wolves
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- 39- Plants, animals and water are
- a- Biotic factors only
 - b- Abiotic factors only
 - c- Biotic and abiotic factors
 - d- Behavioral characteristics
- 40- The plant's growth is affected by
- a- Amount of darkness
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 - c- Duration of light only
 - d- Intensity and duration of light
- 41- Transferring of some properties from parents to offspring occurs in
- a- Living organisms only
 - b- Nonliving things
 - c- Living organisms and nonliving things
 - d- Soil, air, water and sunlight
- 42- Transferring of genetic factors happens in
- a- Humans only
 - b- Animals only
 - c- Humans and animals
 - d- Humans, animals and plants
- 43- Appearance of inherited traits on offspring, is due to passing down from their parents
- a- Environmental factors
 - b- Behaviors
 - c- Genetic factors
 - d- Leaves



- 44- Sphynx cats and Birman cats are different in the
- a- Number of eyes
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- a) Topsoil only
 - b) Subsoil only
 - c) Topsoil and subsoil
 - d) Topsoil and ground water
- 47- From the reasons which increase water pollution
- a) Treatment of sewage and industrial water
 - b) Getting rid of trash in correct ways
 - c) Increasing the industries which use water
 - d) Using soil fences and sedimentation ponds
- 48- Deforestation, and overgrazing cause the increase of theof the land
- a) Drought- fertility
 - b) Drought – infertility
 - c) Fertilizers- deforestation



49- Overpopulation leads to the decrease in all the following except

- a) Food
- b) Water
- c) Shelter
- d) Habitat destruction

50- Silt soil contains particles and its color is

- a) Large-yellow
- b) Medium-dark
- c) Large-dark
- d) Medium- gray

51- There are between particles which contain and air

- a) Water-plants
- b) Humans- animals
- c) Pore spaces- water
- d) Dead plants- dead animals

52- From Main factors that cause soil formation and

- a) Erosion-evaporation
- b) Weathering condensation
- c) Erosion-weathering
- d) Melting-gravity

53- Which of the following are inorganic materials in soil?

- a) Rocks, air, water
- b) Plants, animals, air
- c) Decomposers, plants, humus



Question2: Put true or false

- 1- Drying up the water in the large Salt Lake in turkey is due to condensation process ()
- 2- Flamingos migrate to the large salty lake in turkey when the weather is cold ()
- 3- Hottest regions are regions in which evaporation process is the greatest ()
- 4- Falling hail in coolest regions is an example of evaporation process ()
- 5- The two factors which control the movement of water in the water cycle are gravity force and solar energy ()
- 6- Melting and transpiration process occurs only by cooling ()
- 7- Clouds are made up of millions of tiny droplets ()
- 8- As a result of low temperature, water returns back into water vapor ()
- 9- Water reservoirs on Earth includes seas and oceans only ()
- 10- Convection causes the movement of low-density air above high-density air ()
- 11- Convection currents in Earth atmosphere help in determining the regional climate ()
- 12- The heat of sun transfers through the space to Earth's atmosphere by convection ()
- 13- There is a very little rain in desert area ()
- 14- The weather near the area of equator is very cold due to falling of sun rays' perpendicular on Earth's surface ()



- 15- Due to radiation currents, warm water moves above cold water ()
- 16- Deserts are formed by the effect of moist air ()
- 17- Wind is caused by the continuous exchange between warm and cold water ()
- 18- People in desert areas face a lot of challenges in desert framing ()
- 19- Precipitation occurs after condensation of water vapor in the sky ()
- 20- The properties of the atmosphere at the top of the mountain and at its bottom are similar ()
- 21- When the hot and humid air meet the cold and dry air, the hot air rises ()
- 22- The sand absorbs heat slower than water during daytime ()
- 23- If the temperature of the sand in a desert is 42°C at noon, its temperature may reach 55°C at night ()
- 24- Mapping data allows meteorologists to represent data about weather conditions ()
- 25- By increasing the temperature of air, its density decreases ()
- 26- When the air is cooled, it rises up ()
- 27- Transfer of heat by convection occurs in solids, liquids and gases ()
- 28- When rain doesn't fall, soil may dry, and plants may die ()
- 29- Sandstorms blow up from a dry area such as seas and oceans ()



- 30- Floods may cause death of people and animals ()
- 31- Thorns on a plant stem, is an example of structural adaptation ()
- 32- Birds migrate to areas that have no food or water ()
- 33- Availability of water is a genetic factor that affects the growth of trees and shrubs in an ecosystem ()
- 34- Different types of environments have different types of plants and animals ()
- 35- Acacia trees and palms are adapted to live in desert environment ()
- 36- The skin of poison dart frog can't protect it from predators ()
- 37- Biotic factors of an ecosystem include sunlight, air and water ()
- 38- Antarctica is a hot desert biome ()
- 39- Chrysanthemum plant can produce flowers when the nights are longer than days ()
- 40- Inherited traits not affect the structure of living organisms ()
- 41- All Birman cats have white, very short and silky hair ()
- 42- Transferring of inherited traits through generations of desert plants, make them more adapted to survive in extreme desert conditions ()
- 43- Environmental and genetic factors affect the behaviors, structure and the growth of living organisms ()
- 44- Genes carry inherited traits from parents to their offspring ()



- 45- Wind and water help in the formation of the soil ()
- 46- The main component of the soil is the organic materials only ()
- 47- All components of the soil can be seen by naked eyes ()
- 48- The difference between sand soil and clay soil is the color only ()
- 49- Waterlogged soil contains very little air for roots to grow ()
- 50- Large trees can grow in dry soils ()
- 51- Human activities only lead to habitat destruction ()
- 52- When the soil is irrigated regularly, the quality of the crops will increase ()
- 53- Lionfish is an example of invasive species that is found in red sea ()
- 54- Using great amount of fertilizers reduce water pollution ()
- 55- The subsoil which is used for agriculture is used to make the glue-like building material ()

Question 3: write the scientific term

- 1- The process in which matter changes from gas state to liquid state
- 2- The step in which water flows along the Earth's surface into the river then to the sea and ocean
- 3- They are the places of storing water on Earth
- 4- The force which causes moving down of water from higher places to lower places



- 5- It is a form of evaporation that takes place through the stomata which are found in plant leaves
- 6- It is the method by which heat transfers within liquids and gases where hot molecules rise upward while colder molecules fall down
- 7- It is caused when air warmed by the solar radiation rises and then replaced by cooler air that flows by nearby areas
- 8- It is the main source that is responsible for warming air and forming wind
- 9- A scientist who studies the atmosphere to understand Earth's weather
- 10- A side of mountain ranges at coastal regions that faces the coast
- 11- The science that studies the weather conditions
- 12- A device used to measure temperature
- 13- It is the weight of the air above an area
- 14- A phenomenon in which the condensed water vapor falls on the Earth's surface in the form of rain, snow, sleet or hail
- 15- It is a natural phenomenon that occurs when the level of water in a river increases until it overflows its banks
- 16- A phenomenon in which very strong winds blow up dust that reduces the visibility during driving cars
- 17- A process through which the living organisms be able to live and survive in its environment
- 18- It is a type of behavioral adaptation in which animals move in a certain season from one place to another



- 19- It is a change in the body structure of living organisms that helps them to survive
- 20- It contains biotic factors and abiotic factors that interact with each other
- 21- It is a desert biome that has a cold climate all the year
- 22- It is the factor that controls which trait gets inherited from parents to their offspring
- 23- A type of cats that have long, silky hair with different colors
- 24- A type of cats that doesn't have the genetic factor of long hair
- 25- They are external factors that affect our health and we might not be able to control them
- 26- The black soil that can retain large amount of water
- 27- The distance between the particles of the soil
- 28- Grassland ecosystem that contains dry sand soil in central Africa
- 29- The loose layer that covers the Earth's surface
- 30- The process which breaks down rocks to small pieces



Question 4: complete the following

- 1- Formation of fog is due to theof water vapor on a field in the early morning
- 2- The energy of the sun causes the change of liquid water to due to evaporation
- 3- The movement of water through different water reservoirs is called
- 4- Transpiration is a form ofprocess while condensation takes place by the decrease in the energy
- 5- The difference in and in in water of oceans and atmosphere occurs due to unequal heating of land and oceans
- 6- The weather of the area faraway from the equator isbecause the sun rays fall on the Earth's surface at this area
- 7- Cold water has more than warm water so it moves under the warm water
- 8- Dry air causes the formation of large areas of around the Earth's surface
- 9- the amount of rain that falls on desert is than that which falls in other biomes
- 10- farmers in desert may use the Energy produced from the sun to power their farms
- 11- At noon, sand gets hot in a time than water



- 12- A thermometer is used to measure, while a barometer is used to measure
- 13- Gases and liquids expand by And contract by cooling
- 14- The horizontal movement of air is called
- 15- Both environmental factors and factors affect the growth of living organisms
- 16- Bird migration helps them to search for different Sources and suitable To live in
- 17- Food, water and are the basic needs for living organisms to live and survive
- 18- African penguin has a circle of skin that doesn't have any around each of its eyes
- 19- Some desert plants can store water in their and
- 20- Any ecosystem contains factors and factors
- 21- Plants respond to the amount of and dark they receive daily to grow
- 22- All living organisms inherited factors which transferred from parents to their offspring
- 23- Color and place of the flower are two inherited in plants
- 24- The building units of rocks are called
- 25- Types of plants in the soil affect the and theof the ecosystem
- 26- Mosquitos and are animals that live in bogs
- 27- Overuses of and cause soil depletion



28- Using soil fences and ponds can help in reducing pollution

Question 5: Give reason for the following

- 1- Changing of water from one state to another
- 2- Moving down of glaciers from the top of the mountain to the bottom
- 3- About 10% of water vapor in air comes from plants
- 4- The weather in the area near the equator is hot
- 5- The formation of wind is determined by the amount of solar radiation received by the Earth
- 6- Hot air moves up, while cold air moves down
- 7- At noon, we may not be able to stand barefoot on the sand of a beach in summer, but we can swim in the sea water
- 8- When air is heated, it expands
- 9- Sandstorms have harmful effects on human health
- 10- Falcons and eagles migrate to Egypt in winter
- 11- Poison dart frog has colorful poisonous skin
- 12- Some plants which live in desert environment have long roots
- 13- A Birman kitten has a long and silky hair
- 14- Decomposers have very important role in soil formation
- 15- The soil that retain medium amount of water is more fertile
- 16- The increase in the inclination of Earth's surface cause the erosion of the soil



17- Soil scientists and engineers hope to reduce the use of traditional bricks and concrete in building houses

Question 6: What happens

- 1- The snow when the sunlight falls on it
- 2- The water droplets in the sky becomes very heavy
- 3- Water of seas and oceans gains big amount of thermal energy
- 4- The density of air if the cold air is warmed by the effect of solar energy
- 5- The air temperature if there is no wind on Earth
- 6- The atmospheric pressure, as we move up toward the top of a mountain
- 7- Buildings when they are subjected to strong fluids
- 8- The plants in an ecosystem, if they receive too intense light
- 9- The inherited traits are transferred from desert plants to another through generations
- 10- The sea water if industrial water is thrown into the sea without treatment
- 11- The soil when farmers increase planted areas
- 12- The soil if it has large amount of pore spaces between its particles
- 13- The soil if the temperature in the environment increases





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- 8- As a result of low temperature, water returns back into water vapor (F)
- 9- Water reservoirs on Earth includes seas and oceans only (F)
- 10- Convection causes the movement of low-density air above high density air (T)
- 11- Convection currents in Earth atmosphere help in determining the regional climate (T)
- 12- The heat of sun transfers through the space to Earth's atmosphere by convection (F)
- 13- There is a very little rain in desert area (T)



- 14- The weather near the area of equator is very cold due to falling of sun rays' perpendicular on Earth's surface (F)
- 15- Due to radiation currents, warm water moves above cold water (F)
- 16- Deserts are formed by the effect of moist air (F)
- 17- Wind is caused by the continuous exchange between warm and cold water (T)
- 18- People in desert areas face a lot of challenges in desert framing (T)
- 19- Precipitation occurs after condensation of water vapor in the sky (T)
- 20- The properties of the atmosphere at the top of the mountain and at its bottom are similar (F)
- 21- When the hot and humid air meet the cold and dry air, the hot air rises (T)
- 22- The sand absorbs heat slower than water during daytime (F)
- 23- If the temperature of the sand in a desert is 42°C at noon, its temperature may reach 55°C at night (F)
- 24- Mapping data allows meteorologists to represent data about weather conditions (T)
- 25- By increasing the temperature of air, its density decreases (T)
- 26- When the air is cooled, it rises up (F)
- 27- Transfer of heat by convection occurs in solids, liquids and gases (F)
- 28- When rain doesn't fall, soil may dry and plants may die (T)



- 29- Sandstorms blow up from a dry area such as seas and oceans (F)
- 30- Floods may cause death of people and animals (T)
- 31- Thorns on a plant stem, is an example of structural adaptation (T)
- 32- Birds migrate to areas that have no food or water (F)
- 33- Availability of water is a genetic factor that affects the growth of trees and shrubs in an ecosystem (F)
- 34- Different types of environments have different types of plants and animals (T)
- 35- Acacia trees and palms are adapted to live in desert environment (T)
- 36- The skin of poison dart frog can't protect it from predators (F)
- 37- Biotic factors of an ecosystem include sunlight, air and water (F)
- 38- Antarctica is a hot desert biome (F)
- 39- Chrysanthemum plant can produce flowers when the nights are longer than days (T)
- 40- Inherited traits not affect the structure of living organisms (F)
- 41- All Birman cats have white, very short and silky hair (F)
- 42- Transferring of inherited traits through generations of desert plants, make them more adapted to survive in extreme desert conditions (T)
- 43- Environmental and genetic factors affect the behaviors, structure and the growth of living organisms (T)



- 44- Genes carry inherited traits from parents to their offspring (T)
- 45- Wind and water help in the formation of the soil (T)
- 46- The main component of the soil is the organic materials only (F)
- 47- All components of the soil can be seen by naked eyes (F)
- 48- The difference between sand soil and clay soil is the color only (F)
- 49- Waterlogged soil contain very little air for roots to grow (T)
- 50- Large trees can grow in dry soils (F)
- 51- Human activities only leads to habitat destruction (F)
- 52- When the soil is irrigated regularly, the quality of the crops will increase (T)
- 53- Lionfish is an example of invasive species that is found in red sea (T)
- 54- Using great amount of fertilizers reduce water pollution (F)
- 55- The subsoil which is used for agriculture is used to make the glue like building material (F)

Question 3: write the scientific term

- 1- The process in which matter changes from gas state to liquid state (**Condensation**)
- 2- The step in which water flows along the Earth's surface into the river then to the sea and ocean (**runoff**)
- 3- They are the places of storing water on Earth (**water reservoirs**)



- 4- The force which causes moving down of water from higher places to lower places (**gravity**)
- 5- It is a form of evaporation that takes place through the stomata which are found in plant leaved (**transpiration**)
- 6- It is the method by which heat transfers within liquids and gases where hot molecules rise upward while colder molecules fall down (**convection**)
- 7- It is caused when air warmed by the solar radiation rises and then replaced by cooler air that flows by nearby areas (**wind**)
- 8- It is the main source that is responsible for warming air and forming wind (**Sun**)
- 9- A scientist who studies the atmosphere to understand Earth's weather. **Meteorologist**
- 10- A side of mountain ranges at coastal regions that faces the coast. **Wet side**
- 11- Science that studies the weather conditions. **Meteorology**
- 12- A device used to measure temperature. **Thermometer**
- 13- It is the weight of the air above an area. **Atmospheric pressure**
- 14- A phenomenon in which the condensed water vapor falls on the Earth's surface in the form of rain, snow, sleet or hail. **Precipitation**



- 15- It is a natural phenomenon that occurs when the level of water in a river increases until it overflows its banks.
Flooding
- 16- A phenomenon in which very strong winds blow up dust that reduces the visibility during driving cars. **Sandstorms**
- 17- A process through which the living organisms are able to live and survive in its environment. **Adaptation**
- 18- It is a type of behavioral adaptation in which animals move in a certain season from one place to another. **Bird migration**
- 19- It is a change in the body structure of living organisms the helps them to survive. **Structural adaptation**
- 20- It contains biotic factors and abiotic factors that interact with each other. **Ecosystem**
- 21- It is a desert biome that has a cold climate all the year.
Antarctica
- 22- It is the factor that controls which trait get inherited from parents to their offspring. **Genetic factors**
- 23- A type of cats that have long, silky hair with different colors. **Birman cat**
- 24- A type of cat that doesn't have the genetic factor of long hair. **Sphynx cat**
- 25- They are external factors that affect our health, and we might not be able to control them. **Environmental factors**
- 26- The black soil that can retain large amount of water **Clay soil**



- 27- The distance between the particles of the soil **Pores (spaces)**
- 28- Grassland ecosystem that contain dry sand soil in central Africa **Savannas**
- 29- The loose layer that covers the Earth's surface **Soil**
- 30- The process which breaks down rocks to small pieces **Weathering**

Question 4: complete the following

- 1- Formation of fog is due to the ...**condensation**.....of water vapor on a field in the early morning
- 2- The energy of the sun causes the change of liquid water to**water vapor**..... due to evaporation
- 3- The movement of water through different water reservoirs is called ...**Water cycle**.....
- 4- Transpiration is a form of ..**evaporation**.....process while condensation takes place by the decrease in the**thermal**..... energy
- 5- The difference in ...**temperature**..... and**density**..... in in water of oceans and atmosphere occurs due to unequal heating of land and oceans
- 6- The weather of the area faraway from the equator is**cold**.....because the sun rays fall ..**very inclined**..... on the Earth's surface at this area
- 7- Cold water has more**density**..... than warm water so it moves under the warm water



- 8- Dry air causes the formation of large areas of**deserts**..... around the Earth's surface
- 9- the amount of rain that falls on desert is ...**less**..... than that which falls in other biomes
- 10- farmers in desert may use the ...**solar**..... Energy produced from the sun to power their farms
- 11- At noon, sand gets hot in a ...**shorter**..... time than water
- 12- A thermometer is used to measure ...**temperature**....., while a barometer is used to measure ...**atmospheric pressure**.....
- 13- Gases and liquids expand by ...**heating**..... And contract by cooling
- 14- The horizontal movement of air is called ...**wind**.....
- 15- Both environmental factors and ...**genetic**..... factors affect the growth of living organisms
- 16- Bird migration helps them to search for different ...**food**..... Sources and suitable ...**habitat**..... To live in
- 17- Food, water and ...**habitat**..... are the basic needs for living organisms to live and survive
- 18- African penguin has a circle of skin that doesn't have any ...**feathers**..... around each of its eyes
- 19- Some desert plants can store water in their ...**leaves**..... and ...**stem**.....
- 20- Any ecosystem contains ...**biotic**..... factors and**Abiotic**..... factors
- 21- Plants respond to the amount of ...**light**..... and dark they receive daily to grow



- 22- All living organisms inherited ...**genetic**..... factors which transferred from parents to their offspring
- 23- Color and place of the flower are two inherited ...**traits**..... in plants
- 24- The building units of rocks are called ...**Minerals**.....
- 25- Types of plants in the soil affect the ...**temperature**..... and the **Weather**.....of the ecosystem
- 26- Mosquitos and**Frogs**..... are animals that live in bogs
- 27- Overuses of **Pesticides**..... and ...**chemical fertilizers**..... cause soil depletion
- 28- Using soil fences and **Sedimentation**..... ponds can help in reducing**Water**..... pollution

Question 5: Give reason for the following

- 1- Changing of water from one state to another
Due to gaining or losing of thermal energy
- 2- Moving down of glaciers from the top of the mountain to the bottom
Due to the effect of gravity on glaciers
- 3- About 10% of water vapor in air comes from plants
Due to transpiration process which happens by plants
- 4- The weather in the area near the equator is hot
Because the sun rays fall perpendicular on Earth's surface giving high effect of heat



5- The formation of wind is determined by the amount of solar radiation received by the Earth

Because warm air rises up when it is heated by solar radiation, and it is replaced by cooler air from nearby areas

6- Hot air moves up, while cold air moves down

Because hot air has low density while cold air has high density

7- At noon, we may not be able to stand barefoot on the sand of a beach in summer, but we can swim in the sea water

Because sand is heated up faster than water

8- When air is heated, it expands

Because the molecules of air move away from each other

9- Sandstorms have harmful effects on human health

Because they harm the human eyes and respiratory system

10- Falcons and eagles migrate to Egypt in winter

because Egypt in winter has a moderate climate condition

11- Poison dart frog has colorful poisonous skin

To protect itself from predators

12- Some plants which live in desert environment have long roots

To get the deep groundwater



- 13- A Birman kitten has a long and silky hair
Because it inherits this trait from its parents
- 14- Decomposers have very important role in soil formation
Because they recycle the remains of dead animal and plants into chemical nutrients in the soil
- 15- The soil that retains medium amount of water is more fertile
Because it keeps the organic materials that helps the plant to grow
- 16- The increase in the inclination of Earth's surface causes the erosion of the soil
Because inclination increases the speed of moving water causing more erosion of the soil
- 17- Soil scientists and engineers hope to reduce the use of traditional bricks and concrete in building houses
Because they need large amount of energy to be manufactured and produce a lot of amount of pollution

Question 6: What happens

- 1- The snow when the sunlight falls on it
The snow will melt and change into liquid water
- 2- The water droplets in the sky becomes very heavy
Water droplets fall in the form of rain
- 3- Water of seas and oceans gains big amount of thermal energy
Water will change into water vapor



4- The density of air if the cold air is warmed by the effect of solar energy

The density of the air will decrease

5- The air temperature if there is no wind on Earth

The regions around the equator become extremely hot and the poles will completely freeze

6- The atmospheric pressure, as we move up toward the top of a mountain

The atmosphere pressure decreases

7- Buildings when they are subjected to strong fluids

They may be damaged by moving or breaking them

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

Plant parts may be damaged, dried or burned

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

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

10- The sea water if industrial water is thrown into the sea without treatment

the sea water will be polluted

11- The soil when farmers increase planted areas

the fertility of the soil will increase, and the soil can be restored



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

It allows water to flow fast through it

13- The soil if the temperature in the environment increases

The soil will be dry and will not be fertile



تم تحميل هذه الأوراق مجاناً من
أكبر وأضخم مكتبة تعليمية
موقع وتطبيق مذكرات جاهزة

