



GRADE 5  
**SCIENCE**  
FINAL REVISION

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## G5 Final Revision on unit 1

Choose the correct answer

- 1- *Both plants and humans need ..... to survive.*  
a) Shelter      b) air      c) carbon dioxide gas      d) soil
- 2- *Green plants and animals are similar in .....*  
a) size      b) structure      c) growing      d) moving
- 3- *All the following structures exist in green plants, except*  
a) Stems      b) fruits      c) blood      d) leaves
- 4- *Plants can make their own food through the ..... process.*  
a) respiration      b) digestion      c) photosynthesis      d) thinking
- 5- *Green plants can absorb nutrients from the .....*  
a) Water      b) soil      c) air      d) food
- 6- *Without ....., plants can't grow well and will die.*  
a) Sugar      b) soil      c) oxygen gas      d) sunlight
- 7- ..... and ..... are from the plant needs that help it make photosynthesis.  
a) Oxygen - water      b) Sunlight - carbon dioxide  
c) Water - earth worms      d) Nutrients - oxygen
- 8- *Green plants produce all the following substances during photosynthesis process, except .....*  
a) oxygen gas      b) carbon dioxide gas      c) fat      d) glucose
- 9- *The plant placed in a dark room for a week will have.....*  
a) green leaves      b) long stem      c) strong roots      d) few leaves
- 10- *Manufacturing of the plant food take place inside the .....of the plant.*  
a) Stems      b) fruits      c) roots      d) leaves
- 11- *Carbon dioxide gas enters the plant leaf through the .....*  
a) Chlorophyll      b) stomata      c) stem      d) xylem
- 12- *Photosynthesis process requires all the following, except .....*  
a) water      b) sunlight      c) oxygen gas      d) carbon dioxide
- 13- ..... absorbs the sunlight during photosynthesis process.  
a) Chlorophyll      b) stomata      c) stem      d) xylem

- 14- *The plant produces ..... through photosynthesis process that gives it the needed energy to grow.*
- a) *oxygen gas*      b) *water*      c) *carbon dioxide gas*      d) *sugar*
- 15- *The kind of stems that extend underground are called .....*
- a) *climb stem*      b) *tubers*      c) *runners*      d) *wood stems*
- 16- *..... plant has climb stem.*
- a) *Potato*      b) *Tomato*      c) *Vine*      d) *Pine*
- 17- *The human circulatory system includes all the following structures, except the .....*
- a) *Heart*      b) *Veins*      c) *arteries*      d) *Lungs*
- 18- *Food materials (glucose sugar) are transported from the leaves to other parts of the plant through .....*
- a) *xylem*      b) *phloem*      c) *roots*      d) *stems*
- 19- *Blood rich in carbon dioxide gas return back to the heart through .....*
- a) *arteries*      b) *veins*      c) *lungs*      d) *xylem*
- 20- *..... system in plants consists of tubes that water and nutrients move through it.*
- a) *digestive*      b) *Respiratory*      c) *Transport*      d) *Nervous*
- 21- *The system in human that moves blood in the human body is called ..... system.*
- a) *digestive*      b) *Respiratory*      c) *circulatory*      d) *Nervous*
- 22- *..... help the plant's leaves to get water and nutrients from the soil.*
- a) *Roots only*      b) *Xylem only*  
 c) *Roots and xylem*      d) *Xylem and stomata*
- 23- *Plants can produce new seeds by .....*
- a) *stem*      b) *leaves*      c) *flowers*      d) *roots*
- 24- *The movement of seeds from a place to another is called .....*
- a) *seeds germination*      b) *seeds dispersal*  
 c) *seeds reproduction*      d) *seeds growth*
- 25- *All the following can help in seed dispersal, except .....*
- a) *wind*      b) *human and animals*  
 c) *water*      d) *soil and sunlight*
- 26- *From the ways of seed dispersal is floating on water as in .....*
- a) *tomato seeds*      b) *coconut seeds*      c) *maple seeds*      d) *burr seeds*
- 27- *Seeds have spines, so they can .....*
- a) *float on water*      b) *travel by wind*  
 c) *stick to animal fur*      d) *be eaten by animals*

- 28- Which of the following living organisms can make their own food?  
 a) animals                      b) humans                      c) plants                      d) all the previous
- 29- All the following are ecosystems, except .....  
 a) desert                      b) tundra                      c) rainforest                      d) space
- 30- Hawks get their energy by eating .....  
 a) plants only                      b) animals only  
 c) nonliving things                      d) plants and animals
- 31- Plants are from ..... that get their energy from the sun to produce their food.  
 a) decomposers                      b) consumers                      c) producers                      d) nonliving things
- 32- Caracals obtain their energy by eating .....  
 a) shark                      b) grass                      c) mice                      d) butterfly
- 33- All the following living organisms can't make their own food except .....  
 a) hawk                      b) pine tree                      c) mice                      d) butterfly
- 34- Fox feed on rabbit, so fox is considered as .....  
 a) producers                      b) preys                      c) predators                      d) decomposers
- 35- Living organisms that cannot make their own food are .....  
 a) producers                      b) consumers                      c) decomposers                      d) b and c
- 36- All the following are types of food for primary consumers, except .....  
 a) grasses                      b) seeds                      c) fruits                      d) eagles
- 37- Secondary consumers can eat only .....  
 a) producers                      b) primary consumers  
 c) decomposers                      d) tertiary consumers
- 38- Lion is from .....  
 a) producers                      b) grass eaters                      c) top predators                      d) decomposers
- 39- The predator in a food web usually eats more than one type of .....  
 a) producers                      b) consumers                      c) decomposers                      d) plants
- 40- The energy can flow directly from .....  
 a) a Grass to an eagle                      b) an ant to an eagle  
 c) a snake to an eagle                      d) an eagle to a snake
- 41- ..... considered as consumer living organisms.  
 a) Humans                      b) Plants                      c) Animals                      d) a and c
- 42- All the following from decomposers, except .....  
 a) bacteria                      b) fungi                      c) worms                      d) snake

- 43- All the following organisms are consumers, except .....
- a) deers                      b) lion                      c) rabbits                      d) millipedes
- 44- The process which happens to all dead organisms is known as .....
- a) photosynthesis      b) decomposition      c) breathing      d) reproduction
- 45- A hawk depends indirectly on .....
- a) grasses                      b) snakes                      c) foxes                      d) eagles
- 46- what is the correct order of a food chain?
- a) Plant → Hawk → Snake → Mouse.  
 b) Plant → Mouse → Hawk → Snake.  
 c) Plant → Mouse → Snake → Hawk.  
 d) Hawk → Snake → Mouse → Plant.
- 47- Waste materials produced from millipedes and worms are rich in .....
- a) water                      b) nutrients                      c) oxygen gas                      d) carbon dioxide gas
- 48- We need more energy during .....
- a) sleeping      b) listening to music      c) watching T.V.      d) physical exercises
- 49- If a rabbit dies in the desert, its body will .....
- a) grow                      b) stay                      c) decompose                      d) freeze
- 50- Rabbits eat all the following, except .....
- a) grasses                      b) carrots                      c) seeds                      d) insects
- 51- If all grasses were removed completely from an ecosystem, rabbits in this ecosystem will .....
- a) increase      b) decrease      c) die      d) not be affected
- 52- If there are no predators in an ecosystem. the other consumers will.....
- a) increase      b) decrease      c) die      d) not be affected
- 53- If there is no primary consumers in an ecosystem, the producers will.....
- a) increase                      b) decrease                      c) die                      d) not be affected
- 54- All the following factors pollute the water, except .....
- a) sunlight      b) animals wastes      c) human wastes      d) plastic garbage.
- 55- If the amount of grasses increases in an ecosystem, this directly increases the number of ...
- a) caracals                      b) hawks                      c) rabbits                      d) lions.
- 56- All the following are top predators, except .....
- a) hawks                      b) tigers                      c) butterfly fish                      d) lions.

- 57- When there is a gentle rain in a desert ecosystem, this ecosystem may be.....
- a) harmed                      b) improved                      c) destroyed                      d) collapsed.
- 58- Ecosystem can be effected by .....
- a) climate changes                      b) pollution                      c) human activities                      d) all the previous
- 59- The marine food web usually started with .....
- a) clam                      b) algae                      c) zooplankton                      d) parrotfish.
- 60- On extreme hot climate, the water of a lake .....
- a) increases due to evaporation.                      b) decreases due to evaporation.  
c) change into ice.                      d) has a lower temperature.
- 61- If the climate change is suitable, the population of a species will .....
- a) increases                      b) decreases                      c) die                      d) not change
- 62- In a food chain, the energy transfer from .....
- a) a predator to a prey                      b) a prey to a predator  
c) a predator to a producer                      d) a consumer to a producer.
- 63- Healthy marine environment is important for survival of .....
- a) humans                      b) lions                      c) fish                      d) deers.
- 64- All the following are human activities that affect a marine ecosystem, except .....
- a) flooding                      b) throwing human wastes  
c) overfishing                      d) throwing plastic garbage.
- 65- Which of the following two living organisms don't have direct food relationship between them?
- a) Parrotfish and shark                      b) Butterfly fish and shark  
c) Trigger fish and shark                      d) Eagle and shark.
- 66- Seabirds build their nests .....
- a) on the water surface                      b) on the top of mountain cliffs  
c) deep down into the sea                      d) deep down into the river.
- 67- The suitable habitat for microorganisms to survive is .....
- a) hot water                      b) warm water                      c) cold water                      d) boiled water.
- 68- All the following may occur due to habitat loss, except .....
- a) increasing of population                      b) decreasing of population  
c) extinction of some organisms                      d) decreasing of resources.
- 69- Coral reefs are considered as resources of .....
- a) food only                      b) shelter only                      c) food & shelter                      d) food and pollution.



- 4- *Plants need ..... gas and they produce ..... gas through the photosynthesis process.*
- 5- *The stem carries water and nutrients from the ..... to the ..... of the plant.*
- 6- *Soil is the source of ..... and ..... which the plant need to make its own food.*
- 7- *Some plants can grow without .....*
- 8- *Transport system in the plant consists of two types of vessels which are ..... and .....*
- 9- *Water and nutrients move up the plant's stem through vessels known as .....*
- 10- *..... transports food from the leaves to all plant parts.*
- 11- *Human circulatory system consists of .....and .....*
- 12- *Heart in human circulatory system consists of ..... chambers which are two ..... and two .....*
- 13- *There are three types of blood vessels in the human circulatory system which are ....., ..... and blood capillaries.*
- 14- *Inside the leaves of the plant, sunlight allows ..... to combine with ..... during photosynthesis process.*
- 15- *Apple trees have ..... stem.*
- 16- *Shrubs have ..... stems, while most flowers have ..... stems.*
- 17- *Pine tree has ..... leaves look like .....*
- 18- *Animals and humans need ..... gas to breathe.*
- 19- *In plant's leaves, light energy from the ..... is converted into ..... energy during photosynthesis.*
- 20- *..... is the primary source of energy for all living organisms on the Earth.*
- 21- *Human and animals get energy from .....*
- 22- *Nearly all of the producers on the Earth are .....*
- 23- *..... consumers are animals that eat plants.*
- 24- *..... shows interactions between many living organisms.*
- 25- *Humans and other animals need to eat to get .....*
- 26- *Producers get energy from the ..... to produce their own .....*
- 27- *Consumer can eat ..... or may eat another consumer.*
- 28- *Any food chain starts with ..... and ends with .....*
- 29- *Living organisms include producers, ..... and .....*
- 30- *The interconnected food chains are known as .....*

- 31- *The nutrients that resulted from decomposition and returned to the ecosystem can be used directly by .....*
- 32- *Humans can eat producers and ..... consumers.*
- 33- *The organisms that break down the remains of dead plants and animals into nutrients that return to the ecosystem are called .....*
- 34- *..... is the interconnected food chains that show many different feeding relationships.*
- 35- *Scientists who work on restoration projects to have healthy habitat for plants to survive are called .....*
- 36- *Throwing plastic garbage and waste materials into a river cause water .....*
- 37- *Heavy rain causes ..... which destroys desert ecosystems.*
- 38- *Seabirds eat ..... that swim near the water surface.*
- 39- *Removing plants in ecosystem negatively impacts ..... consumers.*
- 40- *..... are producers that small fish feed on to get energy.*
- 41- *When the marine habitats are destroyed, the number of living organisms in their food webs is .....*
- 42- *UV rays coming from the ....., break down plastic wastes into small pieces called .....*
- 43- *Habitat loss is not only decrease marine population but also it is one of the main causes of .....*

**Write the scientific term:**

- 1) *The living organisms that can make their own food.*
- 2) *The vital process that takes place in green plant to make them survive.*
- 3) *A liquid substance that plants, animals and human need to survive.*
- 4) *The source of energy that the plant uses to make photosynthesis.*
- 5) *A part of the plant that supports its leaves and flowers.*
- 6) *The part of the plant that absorbs water and nutrients from the soil.*
- 7) *The part of the plant that is responsible for fixing the plant in the soil.*
- 8) *Features in the plant's roots that help the plant to get more water and nutrients.*
- 9) *The part of the plant that is responsible for making its food.*
- 10) *The stems that are extended above and along the ground.*
- 11) *Tiny openings in the plants leaves that allow gases to get into and out of the plant.*
- 12) *Vessels carry glucose from the plant's leaf to all the plant parts.*
- 13) *It pumps the blood to all body parts and receives it again.*
- 14) *Vessels that carry the blood rich in oxygen from heart to all body cells.*

- 15) *Tiny blood vessels that connect arteries to veins.*
- 16) *Parts of the plant responsible for reproduction.*
- 17) *The process of producing new plants.*
- 18) *A community that contains living organisms and nonliving things.*
- 19) *Living organisms that both humans and animals need to survive.*
- 20) *The area that provides food, water and shelter to all living organisms which live in it.*
- 21) *It is a model that shows one linear set of feeding relationships and energy flow between living organisms.*
- 22) *They are consumers which feed on secondary consumers.*
- 23) *The animal that is eaten by another animal.*
- 24) *The consumer that hunts and eats another animal.*
- 25) *A group of living organisms that can live on decaying organisms.*
- 26) *Organisms that represent the final link in the food chain.*
- 27) *It is a process through which decomposers can recycle nutrients back into the soil.*
- 28) *It is the harms that happen to air, water and soil due to human activities.*
- 29) *A human activity that leads to decreasing the number of fish and affecting many marine food webs.*
- 30) *It transfers between animals in a food web, to help them do their activities and survive.*
- 31) *The number of organisms of one type of species lives in an area.*
- 32) *Increase or decrease in the number of organisms.*
- 33) *They are organisms that are too small for people to see with only their eyes.*
- 34) *It is a condition in which coral reefs turn completely into white.*
- 35) *A process of returning a habitat back to its natural state before harm was done.*
- 36) *It is an area in the sea, where scientists take care of small pieces of coral until they grow up.*

**Put (✓) or (X):**

1. *Plants, like human and animals, need oxygen gas only.* ( )
2. *Plants and humans need water and air to live.* ( )
3. *All plants need soil for growth of the seeds.* ( )
4. *Plants and animals are similar in the way of getting their food.* ( )
5. *Many plants need soil for growth the seeds, some don't.* ( )
6. *All plants have roots, stems and leaves.* ( )
7. *Each part of the plant has its own function.* ( )
8. *Plants need water and air only to grow.* ( )
9. *Stem of the plant absorbs water from the soil.* ( )
10. *Plant's stem has hairs that absorb oxygen gas from the air.* ( )

11. *Plants use the energy of the sunlight to make their own food.* ( )
12. *Photosynthesis process takes place in the plant root.* ( )
13. *Green plant can grow in a dark room.* ( )
14. *Roots of plants collect sunlight and carbon dioxide gas from air.* ( )
15. *Water and carbon dioxide are absorbed by plant's root to help the plant to grow.* ( )
16. *Light is important for plants growth.* ( )
17. *A tree trunk is a type of stems called runners.* ( )
18. *Flowers have a kind of stems called upright stems.* ( )
19. *At the beginning of germinating some bean seeds, they can grow without soil or sunlight.* ( )
20. *The plant grows in the soil lower than on the paper towel.* ( )
21. *Xylems are smaller tubes that connect the stem to the leaf.* ( )
22. *Chlorophyll is responsible for the green color of the plant.* ( )
23. *Human circulatory system consists of the heart and the lungs.* ( )
24. *Arteries are vessels in human circulatory system that carry blood rich in carbon dioxide gas.* ( )
25. *Oxygen gas enters the human body through the two lungs.* ( )
26. *Blood moves in the human body in one direction.* ( )
27. *The reproductive parts of many plants are flowers.* ( )
28. *Plant's seeds are formed inside the flowers.* ( )
29. *There is only one way of seeds dispersal in nature.* ( )
30. *Human could be one of the ways of seed dispersal.* ( )
31. *There are some activities that don't need energy like listening to music.* ( )
32. *Birds eat insects as a prey to get their energy.* ( )
33. *There is only one type of ecosystem on the Earth.* ( )
34. *There is no interaction between the components of an ecosystem.* ( )
35. *Hawks, crocodiles and sharks are top predators.* ( )
36. *Producers don't need consumers to survive.* ( )
37. *In the decomposition process, the role of decomposers comes before the role of scavengers.* ( )
38. *Hawk can get directly its needed energy by eating beetles.* ( )
39. *Birds are secondary consumers because they eat insects that feed on plant.* ( )
40. *Predators of living organisms may be a prey for other living organisms.* ( )
41. *Food web made up of two food chains or more.* ( )
42. *Dead organisms don't need energy.* ( )
43. *In a food chain, the energy transfers from eagles to mice.* ( )
44. *There are some consumers that can eat both plants and animals.* ( )

45. *Nutrients that present in living organisms bodies returned to the ecosystem after death.* ( )
46. *The suitable ecosystem for plant community ecologists to do their researches is natural area.* ( )
47. *Consumers and decomposers can get energy directly from the sun.* ( )
48. *Recycling of plastic wastes reduces pollution.* ( )
49. *If there is a heavy rain in a desert ecosystem, it will be harmed.* ( )
50. *If producers were removed from an ecosystem, the consumers will need to move away.* ( )
51. *Food webs don't change if their surrounding environments get changed.* ( )
52. *What is happening on land doesn't affect what is happening in marine ecosystem.* ( )
53. *A desert food chain doesn't contain any type of fish or sharks.* ( )
54. *Overfishing is one of the human activities that affect the marine ecosystem.* ( )
55. *It is better to recycle the waste materials than throwing them in rivers and seas.* ( )
56. *Zooplanktons can make their own food by photosynthesis process.* ( )
57. *In a marine food web, there are many top predators like sea star and sea urchin.* ( )
58. *Healthy habitats provide living organisms with clean air, healthy food, water and shelter.* ( )
59. *Forest fire negatively affects the marine organisms.* ( )
60. *Pollution affects both of food resources and animal habitats.* ( )
61. *The flow of energy in food webs is not affected when the natural habitats are destroyed.* ( )
62. *Both of jellyfish and sea turtle are consumers.* ( )
63. *When the temperature of seawater decreases, coral reefs receive more algae.* ( )
64. *Coral bleaching occurs as a result of throwing plastic in seawater.* ( )
65. *Living organisms in seas and oceans cannot differentiate between real food and plastic waste materials.* ( )
66. *Jellyfish can get its energy by eating the sea turtle.* ( )
67. *If coral reefs are destroyed, many marine food chains will be destroyed.* ( )
68. *Coral reefs depend on butterfly fish for food and shelter.* ( )
69. *Coral reefs are considered as a suitable habitat for sharks.* ( )
70. *It is better to keep natural resources healthy than applying restoration projects.* ( )
71. *People near the coastal areas must replace cloth bags with plastic one.* ( )

**Correct the underlined words:**

- 1- Respiration process helps the plant to make its own food.
- 2- Oxygen gas is absorbed by plants' leaves to make photosynthesis process.
- 3- When a plant is placed in sunlight, its leaves become pale green.
- 4- When the plant seed begins to grow and makes sprouts this process is called reproduction.
- 5- Human can get their food from air and animals.
- 6- Each of xylem in plants and veins in human are two-ways vessels.
- 7- Veins carry blood rich in oxygen and nutrients.
- 8- Human circulatory system consists of the lungs and blood vessels.
- 9- Many insects are considered as secondary consumers.
- 10- Decomposers are living organisms that depend on other living organisms in their food.
- 11- The first link in any food chain is a consumer.
- 12- It is better for any predator to depend on many species of decomposers to get its energy and survive.
- 13- The predator is the consumer eaten by another consumer.
- 14- Sheep feed on grass, so it considered as a tertiary consumer.
- 15- Decomposers always harm the soil.
- 16- Recycling nutrients back to the ecosystem is the main function of the consumers.
- 17- The polluted water has a positive effect on coral reefs.
- 18- Top predators are decomposers that present at the top of food chains.
- 19- Due to rising of water temperature, coral reefs turn completely into green.
- 20- Microorganisms are small pieces of plastics in the size of rice grains and they cause harms to marine organisms.

**Choose from column (B) what suits it in column (A)**

(A)	(B)
1- Sunlight	a) is absorbed by the roots of the plant.
2- Soil	b) is necessary for plants to survive and grow.

3- Water	c) is not a basic need for plant growth.
4- carbon dioxide	d) a gas which is produced during photosynthesis.
5- Oxygen	e) a gas which is the plant uses during photosynthesis.

2)

Column A	Column B
1- Chlorophyll	a. Transport nutrients and water to the plant's leaf.
2- Phloem	b. Allowing air to enter the leaf
3- Stomata	c. Absorbing the sunlight of the sun.
4- Xylem	d. Absorb nutrients from the soil.
5- Root hairs	e. Transport food from the plant's leaf

(A)	(B)
1) Coconut seeds	a) sticking to animal fur.
2) Maple seeds and dandelion seeds	b) floating on water.
3) Burr seeds	c) being eaten by animals.
4) Tomato seeds and apple seeds	d) traveling by wind.

Cross out the odd words:

- 1- Carbon dioxide gas — Water — Oxygen gas — Sunlight.
- 2- Roots — Stem — Leaves — Sunlight.
- 3- Green plant — Shelter — Water — Sunlight.
- 4- Heart — veins — xylem — arteries.
- 5- Plant — xylem — phloem — blood.
- 6- Producers — consumers — non-living organisms — decomposers.

7- *Sunlight – consumers – glucose – photosynthesis process.*

8- *Fungi – snakes – millipedes – bacteria.*

9- *Lion – sharks – tigers – foxes.*

10- *Rabbit – sheep – bacteria – goat.*

11- *Eagle – hawk – rabbit – crocodile.*

12- *Pine tree – grasses – houseflies – apple tree.*

13- *Clam – sea urchin – zooplankton – algae.*

**Give reasons for:**

1- *Photosynthesis process is important for plants to survive.*

.....

2- *There is no life on Earth in the absence of plants.*

.....

3- *Roots have important role in photosynthesis process of plants.*

.....

4- *Stomata are present on plant's leaves.*

.....

5- *Green plants can make their own food.*

.....

6- *Chlorophyll in plant's leaves has an important role in photosynthesis process.*

.....

7- *Circulatory system has an important role for human to survive.*

.....

8- *Flowers are important parts for the plant.*

.....

9- *Xylem in plant is a one-way vessel. (Xylem is important in plants)*

.....

10- *Seeds of maple or dandelion plants can disperse through wind easily.*

.....

11- *Burdock seed can stick to animal fur.*

.....

12- *Sunlight is important for all living organisms.*

.....

13- Human needs to eat some animals and plants.

.....

14- All the food chains begin with the producers.

.....

15- All the food chains depend on sunlight.

.....

16- Consumers depend on producers to get their energy.

.....

17- Soil fertility depends on decomposers.

.....

18- When the number of one species of consumers in an ecosystem increases, they will die.

.....

19- Food webs can be destroyed due to pollution.

.....

20- Death of algae may leads to moving sharks away to another place.

.....

21- Plastics are very harmful to marine organisms.

.....

22- Coral bleaching happens when the water temperature rises.

.....

23- Both of rising water temperature and ingesting microplastics are harmful for coral reefs.

.....

**What happens if.:**

1- Plants can't get carbon dioxide gas from air.

.....

2- We put a green plant in a dark room for many days.

.....

3- We put a seed of bean in a wet soil for many days.

.....

4- The plant stops making photosynthesis process for several days.

.....

5- Plants can't produce glucose sugar during photosynthesis process.

.....

6- We remove the flowers of a plant.

.....

7- A hawk is place in an ecosystem contain plants only.

.....

8- There is no sunlight reaches the Earth's surface.

.....

9- All types of decomposers are absent from an ecosystem.

(There is no decomposition process done on the Earth).

.....

10- All primary consumers disappear from a certain food chain.

.....

11- The number of secondary consumers in an ecosystem decreases.

.....

12- The climate change is unsuitable for a population of one type of species.

.....

13- The seawater in which coral reefs live becomes very warm.

.....

**Answer the following questions:**

1- What are the main parts of plant?

.....

2- What are the basic needs for plant?

.....

3- Mention three ways of seed dispersal.

.....

4- Form a food chain by using the following living organisms :

a) (Lion – Grasses – Deer)

..... → ..... → .....

b) (grass – rat – hawk – snake)

..... → ..... → ..... → .....

c) ( small fish – seabirds – bacteria – microorganisms)

..... → ..... → ..... → .....

d) (clam – sea star – algae – shark)

..... → ..... → ..... → .....

e) (parrotfish – algae – coral reefs – shark)

..... → ..... → ..... → .....

5- Mention how we can decrease the using of plastic products?

.....

.....

.....

## G5 Final Revision unit 2

Choose the correct answer:

- 1- *Water can be found in a solid state in the form of .....*  
a) *ice*                      b) *steam*                      c) *sea water*                      d) *boiling water.*
- 2- *An example of a gas is .....*  
a) *chocolate*                      b) *rock*                      c) *pencil*                      d) *oxygen*
- 3- *Both ..... and ..... have the same state of matter.*  
a) *wood – water*                      b) *plastic – oil*                      c) *wood – milk*                      d) *wood – plastic*
- 4- *By changing the ..... of a matter, its state may change.*  
a) *mass*                      b) *volume*                      c) *color*                      d) *temperature*
- 5- *All of these substances are liquids, except .....*  
a) *Oil*                      b) *milk*                      c) *stone*                      d) *Vinegar*
- 6- *Both ..... and ..... are solids as they have definite shape and volume.*  
a) *Wood – oxygen*                      b) *milk – iron*                      c) *wood – iron*                      d) *milk – oxygen*
- 7- *All the following are liquid matters that used in preparing food, except*  
a) *water*                      b) *vinegar*                      c) *oil*                      d) *rice*
- 8- *One of the substances that doesn't take the shape of its container is .....*  
a) *oil*                      b) *coin*                      c) *gasoline*                      d) *water.*
- 9- *The movement of water particles is slower than that of .....*  
a) *wood*                      b) *plastic*                      c) *air*                      d) *gold.*
- 10- *Particles of ..... vibrate around their place.*  
a) *glass*                      b) *air*                      c) *oxygen*                      d) *water*
- 11- *We can use a model to study very large things such as .....*  
a) *solar system*                      b) *germs*                      c) *microbes*                      d) *viruses.*
- 12- *Some liquids come out of a ..... during its eruption.*  
a) *star*                      b) *sun*                      c) *volcano*                      d) *plastic piece*
- 13- *All the following can be used to describe matter except .....*  
a) *shape*                      b) *price*                      c) *color*                      d) *texture*
- 14- *Which of the following homes have an inclined roof?*  
a) *Desert homes only.*                      b) *Tropical rainforest homes only.*  
c) *Desert homes and cold weather homes.*  
d) *Tropical rainforest homes and cold weather homes.*



29- If we cut a tomato into 2 halves, so the ..... of one half of tomato will decrease to half.

- a) mass                      b) shape                      c) color                      d) temperature

30- When you put a lighting match close to helium gas, it will .....

- a) burn                      b) not burn                      c) form fire                      d) Freeze

31- All the following are from physical properties of copper, except that.....

- a) it is good conductor of heat.                      b) it is good conductor of electricity.  
c) it can be stretched into thin wires.                      d) it is lighter than air.

32- We can use copper to make .....

- a) handles of cooking pans                      b) tires  
c) body of cooking pans                      d) gloves

33- Rubber is used to make all the following, except .....

- a) athletic shoes                      b) gloves                      c) tires                      d) windows

34- Ice can turn into water by .....

- a) cooling                      b) freezing                      c) rusting                      d) heating

35- All the following happen to the particles of oil when it is cooled, except that they .....

- a) move slower                      b) move faster  
c) vibrate less                      d) come close together

36- When the temperature of water is decreased below  $0^{\circ}\text{C}$ , it will be turned into .....

- a) water vapor                      b) clear water  
c) hot water                      d) ice

37- Physical processes which need heating include .....

- a) melting and freezing                      b) melting and condensation  
c) melting and evaporation                      d) freezing and evaporation

38- The two processes which cause particles of matter get close together are .....

- b) freezing and condensation                      b) freezing and melting  
c) freezing and evaporation                      d) melting and condensation

39- Physical changes of matter include .....

- a) melting only                      b) freezing only  
c) both melting and freezing                      d) neither melting nor freezing

40- From the changes which don't form a new substance is .....

- a) burning of paper                      b) cutting of wood  
c) baking bread                      d) rusting of iron



52- . We can use ..... processes to separate fresh drinkable water from the water of seas and oceans.

a) filtration and rusting

b) evaporation and melting

c) filtration and coloring

d) filtration and evaporation

53- . We can use filtration process to remove all the following from sea water, except

a) seaweed

b) salt

c) shells

d) fish

**Complete the following sentences:**

1- States of matter are ....., liquid and .....

2- Gasoline is a ..... matter while sand is a ..... matter.

3- Iron and gold are examples of ..... state of matter.

4- Any matter is made up of millions of tiny ..... that we cannot see with our eyes.

5- The shape of ..... matter doesn't change unless something is happening to change it.

6- Liquids have definite ....., but their .....is not definite.

7- ..... have no definite shape and no definite volume.

8- Particles of ..... matters are very close to each other.

9- Particles of ..... matter can slide over each other so they take the ..... of their containers.

10- Particles of ..... matters vibrate around their place.

11- The Earth is a planet in the ..... system.

12- The ..... of a pen can be measured by using a ruler.

13- When an ice cube is exposed to the Sun, the speed of movement of its particles will .....

14- Water evaporates when it is exposed to ..... temperature.

15- When we keep water inside the freezer, the state of water changes from ..... state into ..... state.

16- The roof of desert home is ..... and made up of .....

17- We can use different materials to make a roof, depending on the ..... where the home is located.

18- Both of odor and texture of matter are considered from the ..... properties of matter.

19- The temperature ..... by increasing the speed of moving particles of a matter.

- 20- *The ..... of your school bag can be determined by a balance.*
- 21- *.....is used in making gloves because it is waterproof and .....*
- 22- *An iron ruler ..... in water, and ..... to the magnet.*
- 23- *Helium is ..... than air, and this property is considered as .....property.*
- 24- *Matter can be changed from one state to another by changing its .....*
- 25- *When ice melts, it turns from ..... state to ..... state.*
- 26- *Condensation changes the matter from .....state to .....state.*
- 27- *When we heat a liquid, the distance between its particles will .....*
- 28- *Melting process occurred by .....the temperature of the matter.*
- 29- *0°C is the freezing point of .....*
- 30- *The reversible changes of matter are usually .....changes.*
- 31- *The change in the structure of the original matter producing a new matter is known as .....change.*
- 32- *Cutting a paper into pieces is considered as a ..... change, while burning it is considered as a ..... change.*
- 33- *The reaction between some metals and .....gas causes loss of their shining, and this reaction is considered as a ..... change of matter.*
- 34- *When oxygen combines with carbon and hydrogen, ..... energy is produced.*
- 35- *Iron rusting is a .....change, while iron painting is a .....change.*
- 36- *Making yoghurt from milk is a ..... change.*
- 37- *..... and ..... are ways of mixtures separation.*
- 38- *Salty water is a mixture that consists of salt which is a ..... state of matter and water which is a ..... state of matter.*
- 39- *To separate mud from salty water we can use ..... process.*
- 40- *When two substances combine and form a new substance, this new substance is called a .....*
- 41- *If we have 6 gm of water and 6 gm of sugar, after mixing them the mass of whole mixture will be ..... gm.*
- 42- *The mass of a mixed substance will not be changed during formation of ....., but their properties will be changed.*
- 43- *By mixing salt with pepper, a ..... is formed which has no change in the properties and ..... of its components.*

**Write the scientific term:**

- 1) *Anything that has a mass and a volume.* (.....)
- 2) *The state of water after its freezing.* (.....)
- 3) *A property of matter by which we can distinguish between hot and cold objects.* (.....)
- 4) *The state of matter that has definite volume and shape.* (.....)
- 5) *The state of matter that has a lot of spaces between its particles.* (.....)
- 6) *Matter that takes the shape of its container, but its volume cannot be changed.* (.....)
- 7) *The building units of matter.* (.....)
- 8) *A device used to examine objects that are too small to be seen with the naked eye.* (.....)
- 9) *It is the amount of space that matter takes up.* (.....)
- 10) *A copy that is similar to a real thing which we cannot observe with our eyes.* (.....)
- 11) *The property of matter which is measured by the measuring cup.* (.....)
- 12) *The properties of matter which you can observe them by using your five senses.* (.....)
- 13) *The properties of matter which can be observed and measured by the changes that happen when the material interacts with other materials.* (.....)
- 14) *It is a measure of the amount of matter.* (.....)
- 15) *It is a measure of how quickly the particles in a matter are moving.* (.....)
- 16) *It is a light gas which is used in filling blimps.* (.....)
- 17) *The ability of material to transfer heat and conduct electricity.* (.....)
- 18) *They are changes in matter which are usually reversible and don't affect its structure.* (.....)
- 19) *It is the substance that consists of more than one matter that don't have any physical or chemical change in their properties.* (.....)
- 20) *A matter that is formed when two or more materials combine chemically.* (.....)
- 21) *The process of removing salt from salt water.* (.....)
- 22) *The process which can be used to remove any large materials from sea and ocean water.* (.....)

23) *The process which can be used to separate salt and minerals from salt water of seas and oceans.*

(.....)

**Put (✓) or (x):**

- 1) *Matter never changes from one state to another.* ( )
- 2) *All matters are made up of tiny particles that are in a continuous motion.* ( )
- 3) *All forms of matter are colored.* ( )
- 4) *Particles of wood are different from particles of plastic.* ( )
- 5) *All forms of matter have volume.* ( )
- 6) *Particles of water can move more freely than the particles of water vapor.* ( )
- 7) *Air particles are visible as they are very large particles.* ( )
- 8) *All matters have only one shape.* ( )
- 9) *Two equal amounts of sugar and salt cannot take up the same space at the same time.* ( )
- 10) *Air is matter so it has mass.* ( )
- 11) *Particles of solid matter are spread out from each other.* ( )
- 12) *Gases don't have a definite shape or volume.* ( )
- 13) *Particles of liquids move faster than solids and have a definite volume.* ( )
- 14) *Particles of an aluminum spoon are similar to particles of a golden ring.* ( )
- 15) *Frozen vegetables and vinegar have definite shape.* ( )
- 16) *Liquid particles move more freely than solid particles.* ( )
- 17) *Both gold and milk have definite shape.* ( )
- 18) *Natural gas used in gas oven has no definite shape or volume.* ( )
- 19) *All objects can be seen with the naked eye.* ( )
- 20) *The type of particles affects their size.* ( )
- 21) *Models help us understand ideas, objects or processes.* ( )
- 22) *Germs are very large organisms that can be seen with the naked eye.* ( )
- 23) *Most germs can spread through the air from a person to another.* ( )
- 24) *Models help us understand things that we can easily see with our eyes.* ( )
- 25) *The roof of tropical rainforest home is made up of leaves and sticks.* ( )
- 26) *The length of the classroom wall is measured by using a balance.* ( )
- 27) *We can describe a solid matter by its color and shape.* ( )
- 28) *We can differentiate between sugar and salt by using their color.* ( )
- 29) *Burning of fuel is considered from chemical properties of fuel.* ( )
- 30) *One kilogram of water has a volume equals 1000 milliliters.* ( )
- 31) *All physical properties of matter can be measured.* ( )
- 32) *Changing the shape of matter doesn't affect its mass.* ( )

- 33) *Salt and sugar have the same color and odor.* ( )
- 34) *If we put a wood cube in water it will float.* ( )
- 35) *Iron nail is attracted to the magnet and floats on the surface of water.* ( )
- 36) *If the masses of two different materials are equal, so their volume must be equal.* ( )
- 37) *From the chemical properties of helium is that it is not flammable.* ( )
- 38) *When a balloon is filled with helium, it will fall down on the ground.* ( )
- 39) *If a matter absorbs light energy, its particles vibrate and move faster.* ( )
- 40) *An ice cream turns into liquid by cooling.* ( )
- 41) *Freezing takes place by cooling, while melting takes place by heating.* ( )
- 42) *If we increase the temperature of some pieces of ice, they will melt.* ( )
- 43) *Cutting a piece of cloth is considered as a physical change because it produces a new substance.* ( )
- 44) *Melting and freezing are reversible processes.* ( )
- 45) *Water remains liquid between 0°C and 100°C.* ( )
- 46) *When hot water vapor hits cooler air it forms steam.* ( )
- 47) *Melting of wax produces new substance.* ( )
- 48) *Digestion of food forms a new substance which has new properties.* ( )
- 49) *There is a change in shape when you coil a piece of paper.* ( )
- 50) *Rusting of iron doesn't change the structure of iron.* ( )
- 51) *The mass of some pieces of ice will be the same when they are melted.* ( )
- 52) *We can use evaporation process to form mixtures.* ( )
- 53) *The mass of an amount of apple juice will change if we mix it with water.* ( )
- 54) *The change that is produced as a result of iron rusting is the same change produced from making bread.* ( )
- 55) *During chemical change, the properties of the matter will be changed.* ( )
- 56) *By mixing some vegetables together their properties will change.* ( )
- 57) *You can taste the salt in salty water mixture.* ( )
- 58) *You can see the different components of the salty water.* ( )
- 59) *Atmospheric air is considered as a mixture because it consists of liquids and gases matter.* ( )
- 60) *The mass and properties of oil will change when mixing it with vinegar.* ( )
- 61) *Salt and pepper mixture is formed from two solid materials mixed together.* ( )
- 62) *You can separate oil from water by filtration process.* ( )
- 63) *When dissolving salt in water, the salt disappears forming a new substance.* ( )
- 64) *Formation of ash during burning of paper is considered as a change which forms a new substance.* ( )
- 65) *We can separate baking soda from vinegar easily after mixing them together.* ( )
- 66) *All people around the world can reach fresh water easily.* ( )

- 67) Water of oceans and seas is considered as a mixture because it consists of water, minerals and gases.
- 68) Among the problems of desalination process is that it requires a lot of energy and it is very expensive process.
- 69) To get drinkable water from salty water we can use filtration process only.
- 70) Among environmental problems which caused by desalination process is that it is very expensive process.

**Correct the underlined words:**

- 1- Matter can be found in 2 states. (.....)
- 2- The state of the air we breathe is solid. (.....)
- 3- Carbon dioxide is a liquid matter. (.....)
- 4- Light and sound are forms of matter. (.....)
- 5- Gases keep their shape and volume whatever the container changes. (.....)
- 6- On transferring water from one pot to another, its volume will change. (.....)
- 7- To describe the particles of a matter in liquid state by modeling balls, we should put the balls packed together. (.....)
- 8- Regular microscope is used to examine one tiny particle such as a blood cell. (.....)
- 9- We can measure the volume of an amount of oil by using tape measure. (.....)
- 10- The volume of a liquid can be measured in kilogram. (.....)
- 11- The volume of 1000 cubic centimeters of a liquid is equal the same volume of 1 gram. (.....)
- 12- Shape is one of chemical properties of matter. (.....)
- 13- The mass of 1 kilogram of apple equals the mass of 100 pieces of paper clip. (.....)
- 14- When particles of matter move quickly they produce more electrical energy. (.....)
- 15- Blimps are filled with oxygen gas to rise up in the air. (.....)
- 16- Rubber is very hard, so it is used in making athletic shoes. (.....)

- 17- When particles of a matter absorb thermal energy, they move slower.  
(.....)
- 18- Freezing of liquid chocolate needs high temperature. (.....)
- 19- When we boil water, it will condense. (.....)
- 20- When a solid matter gains thermal energy, it will change into gas state. (.....)
- 21- To change water from solid state to liquid and then to gas state, we need to decrease the temperature.  
(.....)
- 22- When you strike a match, light energy and electrical energy are produced. (.....)
- 23- We can separate sand from water by using evaporation process.  
(.....)
- 24- The properties of the components of mixture change after mixing them with each other. (.....)
- 25- The substances that form a compound combine physically forming a new substance.  
(.....)
- 26- . By adding iodine to starch, the color of the formed compound will change into dark green.  
(.....)
- 27- . Burning fuel in car is considered as physical change.  
(.....)
- 28- . The mass of salt in salty water will be increased after the mixture is formed.  
(.....)
- 29- . After evaporation of seawater, the water vapor turns into liquid water by heating. (.....)
- 30- . Drinking salt water makes the human body dehydrate slower.  
(.....)

**Cross out the odd words and name the group:**

1- Oil – Milk – Water – Wood.

The group: .....

2- *Plastic – Vinegar – Iron – Aluminium.*

*The group: .....*

3- *Coal - Carbon dioxide – Oxygen – Air.*

*The group: .....*

4- *Wood – Iron – Oxygen – Gold.*

*The group: .....*

5- *Shape – mass – rusting – color.*

*The group: .....*

6- *Kilogram (kg) – milliliters (m) – cubic centimeters (cm<sup>3</sup>) – liters (L).*

*The group: .....*

7- *Mass – gram – kilogram – liters.*

*The group: .....*

**Give reasons for:**

1- *Salt is a matter.*

.....

2- *Sugar is a solid matter.*

.....

3- *Wood has definite shape and volume.*

.....

4- *Oxygen has no definite shape or volume.*

.....

5- *Particles of gases can spread out quickly to fill up any container they put in.*

.....

6- *Both liquids and gases don't have a definite shape and take the shape of their containers.*

.....

7- *Oil used in cooking is considered as an example of liquid matter.*

.....

8- *Rubber differs from iron. (According to their hardness).*

.....

9- *Using models to study some scientific concepts.*

.....

10- Sometimes we need to use an electron microscope.

.....

11- The roof of desert home is made of strong stones.

.....

12- The roof of tropical rainforest home is made of leaves and sticks.

.....

13- Rains and snow can't enter homes of cold weather regions.

.....

14- Rusting of iron is considered from chemical properties of matter.

.....

15- When the particles of a matter move quickly, its temperature increases.

.....

16- Helium is used to fill balloons and blimps.

.....

17- Human can use helium gas safely.

.....

18- Copper is used in making cooking pans.

.....

19- Wood and plastic are used in making handles of cooking pans.

.....

20- Copper is used in making electrical wires.

.....

21- Steel is used in making hammers.

.....

22- Glass can be used in making eyeglasses.

.....

23- Ice is turned into water when it is placed in a warm room.

.....

24- Formation of water drops when water vapor touches a cold surface.

.....

25- Both melting and freezing processes are considered as physical changes.

.....

26- Making bread is considered as a chemical change.

.....

.....

27- *Fruit salad and salty water are considered as mixtures.*

.....  
.....

28- *Air is considered as a mixture.*

.....

29- *Filtration process is used to separate sand from water.*

.....

30- *By adding baking soda to vinegar the properties of each of them are changed.*

.....

31- *Formation of a bad odor when milk is left out of the fridge for several days.*

.....

32- *The components of mixture don't produce a new substance when combining together.*

.....

33- *Formation of a layer with reddish color on the surface of a wet iron wire.*

.....

34- *We cannot drink the water of oceans and seas.*

.....  
.....

**What happens if (to).....:**

1- *We put small amount of milk in the freezer for few hours.*

*(According to the state of milk)*

.....

2- *Water is heated in the kettle for few minutes.*

*(According to the state of water after heating).*

.....

3- *We put three equal amounts of water in three different containers.*

*(According to the shape of water)*

.....

4- *We transfer it from a cup to another cup.*

*(According to the volume of a coin)*

.....

5- *Water changes into ice.*

*(According to its shape).*

.....

6- *The arrangement of particles of water after its freezing.*

.....

7- *A liquid changes into gas. (According to the speed of particles)*

.....

8- *We try to examine the particles of any substance with our naked eyes.*

.....

9- *The size of a balloon when you blow it up.*

.....

10- *The speed of particles of an ice cube when it is exposed to the Sun.*

.....

11- *The roof of cold weather homes is flat.*

.....

12- *A piece of paper interacts with fire.*

.....

13- *The speed of particles of a matter decreases. (according to its temperature)*

.....

14- *A magnet is put close to an iron nail and a plastic spoon.*

.....

.....

15- *A piece of cork is put in water.*

.....

16- *A blimp is filled with helium gas.*

.....

17- *Electrical wire is made from plastic instead of copper.*

.....

18- *You touch a handle of cooking pan made of copper and putted on gas oven.*

.....

19- *We heat an amount of water. (according to the motion of particles)*

.....

20- *The particles of water when its temperature is decreased below 0°C.*

.....

21- *The particles of water when we increase its temperature above 100°C.*

.....

.....

22- *We mix iodine with cornstarch.*

.....

23- *Oxygen, carbon and hydrogen are combining together.*

.....

24- *You expose a shiny piece of metal to air (oxygen) for a long period of time.*

.....

25- *Salty water when heating it for a long time.*

.....

26- *The mass and properties of sugar when adding it to an amount of flour.*

.....

Mrs. Daila Ezzat