



# Science

## Grade 5

*Second Term 2023*

# March Revision



*Mr. Ahmed ElBasha*

Unit Three - Concept 2

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Unit Four - Concept 1

\* طبقاً لأخر تعديل في المادة للعام الدراسي 2022-2023



# March Revision

Mr. Ahmed ElBasha

★ **(1) Write the scientific term:**

- 1) They are small water bodies such as small creeks or streams that flow into bigger rivers .....
- 2) A building established across a river which can hold water behind it. ....
- 3) The action of control reaching of humans to the natural resources or using them. ....
- 4) A force that pulls object down toward the Earth's surface. ....
- 5) A celestial body that orbits the Earth .....
- 6) The force that is found between two magnets or between the magnet and an object. ....
- 7) The force that slows down the movement of objects through air. ....
- 8) The force by which metals are attracted or pulled to a magnet. ....
- 9) A type of friction force that opposes the movement of an object as it passes through air. ....
- 10) The tool that is used by sky diver to slow his drop. ....
- 11) The law which states that the force of gravity is constant and act on all objects in the same way. ....

**\*(2) Choose the right answer:**

**1. .... of resources, requires managing its usage methods.**

- a. Depletion      b. Sustainability      c. Renewability      d. Scarcity

**2. There are many factors negatively affect the sustainability of resources including .....**

- a. quality of management way.      b. population increase.  
c. resource recovery.      d. natural protectorates.

**3. Gravity keeps the moon in orbit around .....**

- a. Sun.      b. Earth.      c. itself.      d. another moon.

**4. Gravitational force of Earth is affected by .....**

- a. mass and time.      b. mass and distance.  
c. mass only.      d. distance only.

**5. If there is no Earth's gravity, the moon would .....**

- a. revolve faster around Earth.      b. still orbit Earth.  
c. attract to Earth.      d. float off into space.

**6. Earth attracts objects towards .....**

- a. its center.      b. the sky.      c. the moon.      d. the Sun.

**7. The level of water in a river may increase causing flooding, when there is more .....**

- a. rainfall.      b. wind.      c. sunlight.      d. sediments.

**8. Tributary usually ends by the flowing of its water into bigger .....**

- a. ocean.      b. sea.      c. river.      d. lake.

**9. All the following reasons cause water pollution in a river, except .....**

- a. litter of a nearby trash dump.      b. waste of a nearby factory.  
c. chemical fertilizers of a nearby farm.      d. building a dam across the river.

**10. Plastic cup is made from ..... products.**

- a. plant      b. animal      c. oil      d. human

**11. .... can be used to recycle wastewater to be used again in human activities.**

- a. Bottles      b. Filters      c. Dams      d. Generators

**12. .... process is used to get filtered water from polluted water.**

- a. Recycling      b. Sustainability      c. Preservation      d. Conservation

**13. Friction force ..... the movement of objects.**

- a. slows down      b. increases      c. speeds up      d. doesn't affect.

**14. Magnetism is a force that attracts objects made of the following materials, except ....**

- a. iron.      b. nickel.      c. wood.      d. cobalt.

**15. Force that opposes the movement of objects as they pass through air is known as .....**

- a. magnetism.      b. gravity.      c. electric.      d. air resistance.

**16. .... is considered as a type of friction force.**

- a. Air resistance      b. Magnetism      c. Gravity      d. Electric force

**17. .... are formed when water collects in low-lying areas.**

- a. Seas      b. Lakes      c. Rivers      d. Oceans

**18. A person can exert a weak force to move .....**

- a. a big truck.      b. a toy car.      c. a real car.      d. a very big rock.

**19. Wind turbine blades move by the effect of .....**

- a. magnetism.      b. wind.      c. electricity.      d. water vapor.

**20. In contact force, the two objects need to ..... each other.**

- a. attract      b. repel      c. touch      d. break

**21. .... force acts on all objects on Earth.**

- a. Gravity      b. Speed      c. Electric      d. Magnetism

**22. Gravity depends on the ..... of a body.**

- a. speed      b. mass      c. length      d. age

**23. The force of ..... keeps the planets on their paths around the Sun.**

- a. air resistance      b. friction      c. gravity      d. electricity

**24. The planets revolve around the Sun in fixed ..... orbits.**

- a. oval      b. irregular      c. rectangular      d. triangular

**25. .... is (are) the center of the solar system.**

- a. The Earth      b. The Sun      c. The moon      d. mars.

**26. Oil can be used in making .....**

- a. paper.      b. plastic.      c. chair.      d. clothes.

**27. The water body which contains mixture of salt water and fresh water is the .....**

- a. estuary.      b. ocean.      c. river.      d. lake.

**28. An area of land where water flows in a specific path from a high altitude area to a lower altitude area is .....**

- a. river.      b. sea.      c. lake.      d. ocean.

**29. A group of plants and animals which live together in a large area characterized by its climate is called .....**

- a. atmosphere.      b. hydrosphere.      c. biome.      d. geosphere.

**30. Wadi Al-Hitan protectorate is one procedure of .....**

- a. sustainability of natural resources.      b. depletion of natural resources.  
c. the quality of natural resources.      d. preservation of natural resources.



**✳(3) Complete the following:**

1. The run out of ..... causes wells to become dry.
2. If we use fossil fuels without negative affect their amount in future, this is called .....
3. To conserve water, we can ..... time of washing our hands.
4. Objects move down from high place toward the ground because of .....
5. The moon moves around ..... due to gravity.
6. Gravity pulls objects toward the ..... of Earth.
7. If the mass of the moon increases than its real mass, its gravitational attraction will .....
8. The object at rest needs ..... to move.
9. Force that arises between two objects when they touch each other is called ..... force.
10. Force may push or ..... the object to make it move.
11. The force that is needed to move a small bike is ..... than that needed to move a truck.
12. Magnet can attract some objects by a force called .....
13. The astronauts float in space due to the absence of .....
14. When a ball is thrown into the air, it moves back down, so its ..... changes because of .....
15. The force that arises between the bicycle brake and the tires is called ..... which slows down the movement of the bicycle.
16. The direction of ..... force opposes the direction of a body moves through air.
17. The Sun locates at the center of .....
18. Motion is the change of an object's .....
19. Paper clips are attracted to the magnet by a force called .....

**✳(4) Put ( √ ) or ( X ):**

1. We must conserve fresh water because it is limited on Earth. ( )
2. Building factories is from human strategies to control and conserve fresh water. ( )
3. When there is more rainfall, the level of water in rivers decreases causing flood. ( )
4. Upstream is the place where a river starts. ( )
5. Preservation and sustainability are ways to conserve natural resources. ( )
6. Placing cows in many small grass areas is considered as unsustainable situation. ( )
7. You must decrease the time of taking your shower to conserve water. ( )
8. You can conserve water by leaving the tap open during brushing your teeth. ( )
9. Cotton can be used as a filter to remove waste from water. ( )
10. Water is considered as a nonrenewable natural resource. ( )
11. Gravity pulls objects toward the center of Earth. ( )
12. If the gravity of Earth disappears the moon will float off into space. ( )
13. As the mass of an object increases, its gravitational attraction decreases. ( )
14. Magnet must touch objects to attract them. ( )
15. Magnet has an invisible force called magnetism. ( )
16. Planets revolve around the Sun in fixed orbits because of gravity. ( )
17. Small planets have bigger gravity than big planets. ( )
18. Gravity of Earth push objects towards its center. ( )
19. All objects are pulled toward the ground because of gravity. ( )
20. Gravity is not affected by the mass of an object. ( )
21. Friction force opposes the movement of an object. ( )
22. Air resistance slows down the speed of parachutes. ( )
23. Magnetism is the force that attracts some metals. ( )
24. The Earth's gravity keeps all planets in their orbits. ( )
25. The scientist Nicolaus Copernicus stated that Earth revolves around the Sun. ( )

### ✱(5) Correct the underline:

1	Planets orbit <u>Earth</u> due to the gravity between them	( ..... )
2	Earth pulls objects towards its <u>moon</u> .	( ..... )
3	The gravity of the <u>Sun</u> affects the ocean tides.	( ..... )
4	Earth attracts the <u>Sun</u> to move around it.	( ..... )
5	If the mass of the moon <u>decreases</u> its gravity force will increase.	( ..... )
6	The gravity of <u>Earth</u> pulls all planets toward its center.	( ..... )
7	The planets revolve around the Sun in fixed <u>rectangular</u> orbits.	( ..... )
8	When the mass of an object increases, its attraction force <u>decreases</u> .	( ..... )

### ✱(6) Choose from column (B) what suits it in column (A) :

1.

( A )	( B )
1. Cotton	a. can be used in making plastic.
2. Oil products	b. can be used in making paper.
3. Trees	c. can be used in making clothes.

1.

2.

3.

2.

(A)	(B)
1. Motion	a. is the force between two objects that touch each other
2. Contact force	b. is a pull or push that affects an object.
3. non-contact force	c. is the change of an object location due to force.
4. Force	d. is the force between two objects that don't touch each other.

1.

2.

3.

4.

**\*(7) TRY TO ANSWER:**

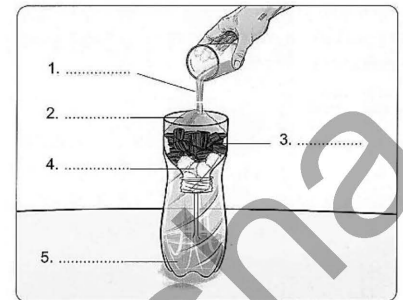
1

**Look at the following figure, then answer the questions below:**

**A. Label the figure using the following words:**

(Charcoal - Wastewater - Cotton - Filtered water- Sand).

- 1.
- 2.
- 3.
- 4.
- 5.



**B. The tool above shows a simple....., and it is used to remove ..... materials from wastewater. (Complete)**

2

**Complete the following sentences using the words below:**

(Electricity - quality - rains - dam)

1. Building a ..... across a tributary can change the amount of water in it.
2. The extinction of some species that live in fresh water is due to the poor ..... of water.
3. In High Dam, water is used to generate .....
4. Groundwater is replaced by .....

3

**Complete the following sentences using the words below:**

(Orbit - gravity - float)

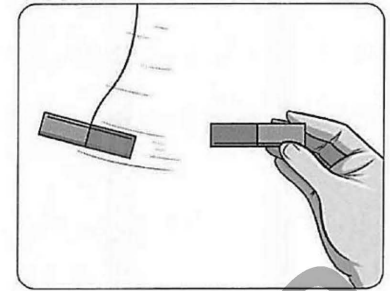
1. When a boy moves down a slide, this is due to the force of .....
2. Without the force of gravity, the moon would ..... off into space.
3. Earth is pulling the moon, keeping it in its ..... around Earth.

4

**Look at the opposite figure then choose the correct answer:**

**1. The force between the two magnets is called .....**

- a. gravity.
- b. magnetism.
- c. contact force.
- d. wind force.



**2. If there is a repulsion force between these two magnets so, they will move .....**

- a. away from each other.
- b. toward each other.
- c. to the Earth's surface.
- d. to the space.

5

**Look at the opposite figure, which illustrates a part of the solar system then answer the following questions:**

**1. The body (A) is called .....**

- a. the Sun.
- b. the Earth.
- c. the moon.
- d. a magnet.

**2. The shape of the path (B) is .....**

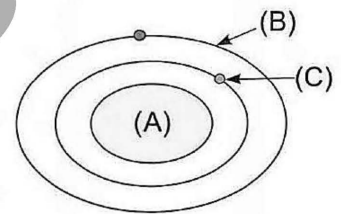
- a. ellipse.
- b. circular.
- c. rectangular.
- d. triangular.

**3. The body (C) may be .....**

- a. the Sun.
- b. the moon.
- c. a planet.
- d. a magnet.

**4. The body (C) revolves around the body (A) because of ..... force.**

- a. electric
- b. gravity
- c. air resistance
- d. repulsion



6

**Complete the following sentences using the words below:**

**(Geosphere - decrease - fresh - filter)**

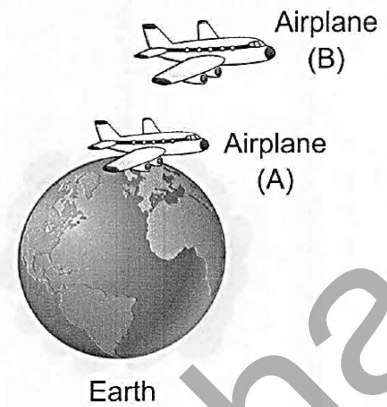
- 1. To conserve fresh water, we can ..... the time of washing our hands.
- 2. The Earth's sphere that contains rocks, sand and soil is known as .....
- 3. The type of water that is found in rivers, most of lakes and streams is a ..... water.
- 4. Human can ..... water to recycle wastewater to be used again.



7

The opposite figure shows two similar air planes, choose the correct answer :

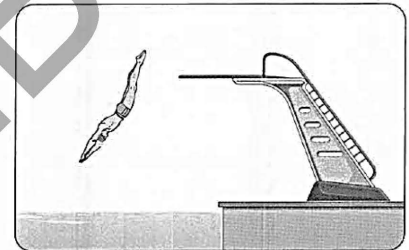
- (A) The attraction between Earth and the airplane (A) is ..... (**smaller than – larger than – equal to**) the attraction between Earth and airplane (B).
- (B) The gravity of Earth ..... (**increases – decreases – doesn't change**) when the distance between Earth and the airplane increases.



8

The opposite figure shows a swimmer that jumps from a stand into a swimming pool. Choose the correct answer :

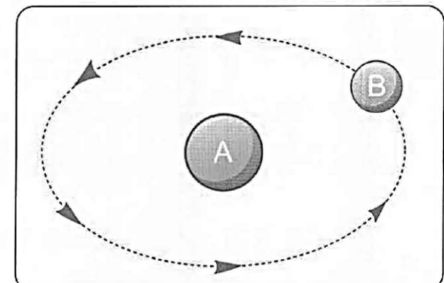
- The force that attracts the swimmer towards the water surface is known as ..... force.
  - pushing
  - gravity
  - magnetism
  - repulsion
- This force changes the .....
  - direction of movement of swimmer.
  - mass of swimmer.
  - depth of swimming pool.
  - length of the stand.



9

Look at the opposite model that represents two bodies in the solar system then choose the correct answer :

- (A) is the Earth and (B) is the Sun.
- (A) is the moon and (B) is the Earth.
- (A) is the Earth and (B) is the moon.
- (A) is the moon and (B) is the Sun.



# Model Answer

## \* (1) Write the scientific term:

- |                 |              |                   |                   |
|-----------------|--------------|-------------------|-------------------|
| 1. Tributaries  | 4. Gravity   | 7. Air resistance | 10. Parachute     |
| 2. Dam          | 5. Moon      | 8. Magnetism      | 11. Law of motion |
| 3. Preservation | 6. Magnetism | 9. Air resistance |                   |

## \* (2) Choose the right answer:

- |      |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|
| 1. B | 6. A  | 11. B | 16. A | 21. A | 26. B |
| 2. B | 7. A  | 12. A | 17. B | 22. B | 27. A |
| 3. B | 8. C  | 13. A | 18. B | 23. C | 28. A |
| 4. B | 9. D  | 14. C | 19. B | 24. A | 29. C |
| 5. D | 10. C | 15. D | 20. C | 25. B | 30. D |

## \* (3) Complete the following:

- |                   |             |                         |                    |
|-------------------|-------------|-------------------------|--------------------|
| 1. Groundwater    | 6. Center   | 11. Smaller             | 15. Friction force |
| 2. Sustainability | 7. Increase | 12. Magnetism           | 16. Air resistance |
| 3. Decrease       | 8. Force    | 13. Gravity             | 17. Solar system   |
| 4. Gravity        | 9. Friction | 14. Direction – gravity | 18. Location       |
| 5. Earth          | 10. Pull    |                         | 19. Magnetism      |

## \* (4) Put ( √ ) or ( X ):

- |          |          |           |           |           |           |           |
|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 1. ( √ ) | 5. ( √ ) | 9. ( √ )  | 13. ( X ) | 17. ( X ) | 21. ( √ ) | 25. ( √ ) |
| 2. ( √ ) | 6. ( √ ) | 10. ( X ) | 14. ( X ) | 18. ( X ) | 22. ( √ ) |           |
| 3. ( X ) | 7. ( √ ) | 11. ( √ ) | 15. ( √ ) | 19. ( √ ) | 23. ( √ ) |           |
| 4. ( √ ) | 8. ( X ) | 12. ( √ ) | 16. ( √ ) | 20. ( X ) | 24. ( X ) |           |

## \* (5) Correct the underline:

- |           |         |             |             |
|-----------|---------|-------------|-------------|
| 1. Sun    | 3. Moon | 5. Increase | 7. Oval     |
| 2. Center | 4. Moon | 6. Sun      | 8. Increase |

## \* (6) Choose from column (B) what suits it in column (A) :

- |      |      |      |      |
|------|------|------|------|
| 1    |      |      |      |
| 1. c | 2. a | 3. b |      |
| 2    |      |      |      |
| 1. c | 2. a | 3. d | 4. b |

## \* (7) TRY TO ANSWER:

- |                   |              |                   |           |
|-------------------|--------------|-------------------|-----------|
| 1                 |              |                   |           |
| A.                |              |                   |           |
| 1. wastewater     | 3. charcoal  | 5. filtered water |           |
| 2. sand           | 4. cotton    |                   |           |
| B. filter - waste |              |                   |           |
| 2                 |              |                   |           |
| 1. dam            | 2. quality   | 3. electricity    | 4. rains  |
| 3                 |              |                   |           |
| 1. gravity        | 2. Float     | 3. orbit          |           |
| 4                 |              |                   |           |
| 1.b               | 2. a         |                   |           |
| 5                 |              |                   |           |
| 1. a              | 2. a         | 3. c              | 4. b      |
| 6                 |              |                   |           |
| 1. decrease       | 2. Geosphere | 3. Fresh          | 4. filter |
| 7                 |              |                   |           |
| 1. larger than    | 2. decrease  |                   |           |
| 8                 |              |                   |           |
| 1.b               | 2. a         |                   |           |
| 9                 |              |                   |           |
| c                 |              |                   |           |