



Science

Grade 6

First Term 2025 - 2026

November Revision

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Theme One (Concept Three)

* طبقاً لأخر تعديل في المادة للعام الدراسي 2025-2026 *



November Revision

*(1) Choose the right answer:

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1. Gravity and magnetism are similar in that

- a. they are repulsion forces only.
- c. they are forces that attract all objects.
- d. we cannot see both of them.

2. When we throw a ball upward, it returns back to the ground due to

- a. gravity only.
- b. electricity and mass.
- c. magnetism only.
- d. magnetism and electricity.

3. is a magnetic material that is attracted to the magnet.

- a. Copper
- b. Nickel
- c. Paper
- d. Wood

4. Some materials cannot be attracted to the magnet, because they are

- a. magnetic materials.
- b. made of nickel, iron and cobalt.
- c. non-magnetic materials.
- d. located at the magnetic field of the magnet.

5. All the following materials are called magnetic materials, except

- a. iron.
- b. plastic.
- c. nickel.
- d. steel.

6. A magnet attracts certain objects like when they locate in its magnetic field.

- a. wood and steel
- b. nickel and plastic
- c. iron and copper
- d. cobalt and steel

7. The area around the magnet in which magnetism can be observed is known as

- a. magnetic material.
- b. magnetic field.
- c. non-magnetic material.
- d. iron filings.

8. Generators convert energy to energy.

- a. chemical - thermal
- b. thermal - sound
- c. sound - mechanical
- d. mechanical – electrical

9. The flow of electric charges along a closed path is known as

- a. electric wire
- b. light energy
- c. electric current
- d. sound energy

10. The source of electricity in an electric circuit is a

- a. metal wire b. switch c. battery d. light bulb

11. The electric circuit contains a which is responsible for opening and closing the circuit.

- a. battery b. switch c. light bulb d. heater

12. Electric insulators like and do not allow electricity flow through them.

- a. copper - plastic b. rubber - iron
c. rubber - plastic d. copper – iron

13. A magnetic field can be formed when an electric current flows around

- a. a plastic core. b. a battery.
c. a metal core. d. a rubber core.

14. is a material that cannot allow electric current to flow through.

- a. Iron b. Copper c. Plastic d. Aluminum

15. The electric wires are covered with as it is a conductor of electricity.

- a. copper - good b. plastic - bad
c. iron - bad d. plastic - good

16. All the following materials are electric insulators, except

- a. rubber. b. plastic. c. wood. d. steel.

17. Metallic materials are considered as electric, while plastic and rubber are considered as electric

- a. insulators - conductors. b. conductors - insulators.
c. circuits - conductors. d. insulators - energy.

18. Electricity can flow through

- a. an electric conductor. b. an electric insulator.
c. a wooden bar. d. an eraser.

19. are used to stop the flow of electricity.

- a. Batteries b. Electric conductors
c. Electric insulators d. Galvanometers

20. In a, the electric current can flow through different branches.

- a. series circuit only b. parallel circuit only
c. resistor d. series and parallel circuit

21..... is used to slow the flow of an electric current in the electric circuit.

- a. A battery b. A switch c. A resistor d. A lamp

22.Scientists use a to detect the flow of electric currents.

- a. generator b. galvanometer c. battery d. switch

23.The electric wires are made of that conduct electricity.

- a. plastic and glass b. rubber and aluminum
c. copper and aluminum d. wood and plastic

24.The is a muscle that beats inside the human body to push the blood to all body parts.

- a. stomach b. brain c. heart d. liver

25.The artificial pacemaker is inserted into the of the human body.

- a. brain b. chest c. legs d. hands

✳️(2) **Put (√) or (X) :**

1. The electric circuit is a path for electricity that consists of many components. ()

2. The force of gravity between an object and the Earth increases, when the distance between them increases. ()

3. Light bulbs can be connected together by two ways, which are series way and parallel way. ()

4. Due to the great mass of Earth, it attracts all objects towards its center. ()

5. The force of gravity appears when any object is thrown upward into the air as it will return back to the Earth's surface. ()

6. The magnet has a force called magnetism. ()

7. Small pieces of paper can be used to see the magnetic field of a magnet . ()

8. All materials can be attracted to the magnet. ()

9. Magnets attract the non-magnetic materials such as iron, nickel and steel. ()

- 10.Cobalt is an example of magnetic materials. ()

- 11.If non-magnetic objects are put at any distance from magnet, they will be attracted. ()

- 12.A piece of aluminum foil and a plastic spoon will be attracted to the magnet. ()

- 13.The heart is a muscle that beats consistently for the duration of our lives. ()

- 14.The artificial pacemaker should contain a battery to do its function . ()

- 15.Electrical energy changes into mechanical energy in generators. ()

- 16.Electricity can be generated from winds, water and coal. ()

- 17.The electric current is the movement of charged particles a conducting wire. ()

- 18.Electricity can be produced from magnetism. ()

- 19.Water in dams is used to operate wind turbines. ()

- 20.To make an electric current flow through a circuit, all of its components must be connected in a closed path. ()

- 21.The electric circuit must contain a source of electricity such as the switch. ()

- 22.All materials allow electric current to flow through them. ()

- 23.Copper, aluminum and rubber are electric conductors. ()

24. When the electric circuit is opened, the electric current doesn't flow through it. ()
25. All metals are electric insulators. ()
26. Electric wire can be made of copper and covered with plastic or rubber. ()
27. Electricity and magnetism can work together. ()
28. In the series circuit the electric current flows in one path only. ()
29. If one device is disconnected in a parallel circuit, all other devices will not work. ()
30. Electric circuits in houses are connected in parallel. ()
31. In the series circuits, the electric current can flow in different branches. ()
32. Electric resistors are used to slow the flow of electrons through an electric circuit. ()
33. The electric insulators keep us safe from getting shocked by the electric current. ()
34. Towns and cities are parts of an electric circuit. ()
35. The device that is used to detect the electric current is called galvanometer. ()
36. By increasing the number of loops in a coil and moving a magnet inside it rapidly, the amount of generated electric current will decrease. ()
37. There is no relation between magnetism and electricity. ()
38. Wood and plastic are electric insulators. ()
39. Electric current can flow through all materials. ()
40. Materials made of metals can conduct electricity. ()
41. If a person touches an insulated electric wire, he will be shocked by electricity. ()

✱ (3) Write the scientific term:

- 1) One of the components of an electric circuit that is used to limit the flow of electricity through the circuit. (.....)

- 2) The type of electric circuits in which all components must be connected in one loop. (.....)

- 3) The type of electric circuits that is found in houses and help in operating many devices at the same time. (.....)

- 4) Materials that allow electrons to flow through them easily. (.....)

- 5) Materials that don't allow electrons to flow through them easily. (.....)

- 6) A muscle in the human body that beats regularly to push the blood inside the body. * (.....)

- 7) A device inserted into the chest to stimulate the heart to beat regularly. * (.....)

- 8) The area around the magnet in which its magnetic force appears. (.....)

- 9) The force of Earth which attracts all objects on its surface to its center. (.....)

- 10) The materials that are attracted to the magnet. (.....)

- 11) The materials that are not attracted to the magnet. (.....)

- 12) The device which converts mechanical energy into electrical energy. (.....)

- 13) A form of energy that is produced from generators and turbines. (.....)

- 14) The flow of electrons through an electric wire. (.....)

- 15) A tool which is used to open and close the electric circuit. (.....)

***(4) Complete the following sentences:**

1. The gravity of Earth is affected by two factors which are the object's and its from the Earth's surface.
2. To see the magnetic field of a magnet, we should use filings.
3. Magnetism is an attraction or force, while gravity is force only.
4. Gravity attracts any object that has
5. Magnets attract some metals, such as, and
6. If we put a wooden spoon near to a magnet, it will not attract to it, because this spoon is made of material.
7. Materials are classified according to their ability to be attracted to the magnet into materials and materials.
8. Mechanical energy can be changed into energy in the generator.
9. The electric current can transmit in a closed path called an
10. The tool that opens and closes the electric circuit is called
11. Wood, glass and plastic are examples of that do not allow electric charges to pass through them.
12. Metals like aluminum, are called electric
13. Some materials are called because they don't allow electric current to flow through them like and
14. Electric wires are coated with as it is an electric insulator.
15. In the circuit there is only one path that the electric current can flow through.
16. The electric current can flow through different branches in circuits.

✱(5) Give reasons for:

1. The electric circuit is considered as a system.

.....

2. Cobalt and nickel are considered as magnetic materials.

.....

3. Wood and copper are not attached to the magnet.

.....

4. Electric generators have great importance in our life.

.....

5. The electric circuit must contain a battery.

.....

6. All metals are considered as electric conductors.

.....

7. Most electric wires are covered with rubber or plastic.

.....

8. The human body is considered as an electric conductor.

.....

9. Electric wires are made of copper.

.....

10. Electric wires are wrapped in plastic.

.....

11. Some electric circuits contain electric resistors.

.....

12. The heart has a natural pacemaker.

.....

✱(6) What happens if ... ?

1. **The mass of an object increases.**
(according to the force of gravity)
.....
2. **The distance between an object and Earth's center increases.**
(according to the force of gravity)
.....
3. **A magnet is approached close to some iron nails mixed with small pieces of paper.**
.....
4. **Large magnets spin at a high speed, around coiled wires.**
.....
5. **The electric circuit doesn't contain a switch.**
.....
6. **The switch is turned on in the electric circuit.**
.....
7. **Aluminum foil is used to wrap electric wires.**
.....
8. **A person touches non-insulated electric wire through which an electric current passes.***
.....
9. **Electric circuits in houses are connected in series.**
.....
10. **A magnet is moved rapidly inside a coil of wire in a circuit containing galvanometer.**
.....
11. **A patient has a slow or irregular heartbeats.**
.....

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

1

Classify the following materials into magnetic materials and nonmagnetic materials in the table below:

(iron nail - paper clip - plastic spoon - piece of glass - wooden clip - copper wire)

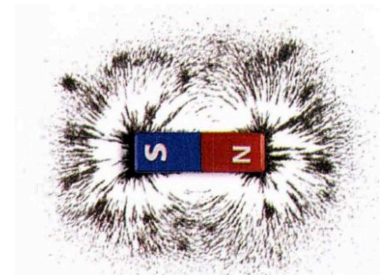
Magnetic materials	Non - magnetic materials

2

Complete the following sentences using the words below:

(iron filings - magnet - magnetic field - iron)

1. This tool is called and it is made of
2. This tool is surrounded by an area called
3. We can observe the force of this tool by usingwhich make pattern around it.



3

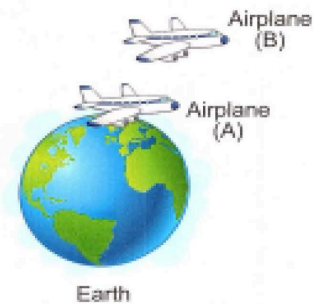
Study the opposite figure that shows two similar flying airplanes (A) and (B), then choose the correct answer :

1. The force of Earth's gravity on airplane (B) is that on airplane (A).

- a. greater than
- b. smaller than
- c. equal to
- d. double

2. The reason of your answer in question number is that

- a. the two airplanes are of the same mass.
- b. the mass of airplane (B) is smaller than that of airplane (A).
- c. the two airplanes are at the same distance from the Earth's surface.
- d. the distance of airplane (A) from the Earth's surface is smaller than that of airplane (B).



7

Correct the underline

1	Magnetism is a pulling or pushing force, while gravity is a pushing force only.	(.....)
2	The magnet is surrounded by an area called magnetism in which the magnetic force of a magnet appears.	(.....)
3	Gravity is the force by which a magnet attracts some materials.	(.....)
4	Electricity is the force that attracts all objects that has mass towards Earth's center.	(.....)
5	The force of gravity is affected by two factors which are the distance of the object from the Earth's surface and its shape .	(.....)

8

Complete the following sentences using the words:

(increases - mass - electric current - electric conductors - electric insulators - magnetic field)

- Gravity is a force that affects objects which has
- When the distance between objects and the center of the Earth decreases, the gravitational force
- A is the movement of charged particles through a conducting wire.
- When an electric current flows through a wire, a is produced around the wire.
- Materials that do not conduct electricity are called
- Materials that conduct electricity are called

Model Answer

* (1) Choose the right answer:

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

* (2) Put (√) or (X) :

1. (√)	8. (X)	15. (X)	22. (X)	29. (X)	36. (X)
2. (X)	9. (X)	16. (√)	23. (X)	30. (√)	37. (X)
3. (√)	10. (√)	17. (√)	24. (√)	31. (X)	38. (√)
4. (√)	11. (X)	18. (√)	25. (X)	32. (√)	39. (X)
5. (√)	12. (X)	19. (X)	26. (√)	33. (√)	40. (√)
6. (√)	13. (√)	20. (√)	27. (√)	34. (√)	41. (X)
7. (X)	14. (√)	21. (X)	28. (√)	35. (√)	

* (3) Write the scientific term:

1. Resistor	6. Heart	10. Magnetic material	14. Electric current
2. Series	7. Pacemaker	11. Nonmagnetic material	15. Switch
3. parallel	8. Magnetic field	12. Generator	
4. Electric conductor	9. Gravitational force	13. Electric energy	
5. Electric insulator			

* (4) Complete the following sentences:

1. Mass – distance	5. Iron , cobalt and nickel	9. Electric circuit	13. Insulator – plastic and wood
2. Iron	6. Nonmagnetic	10. Switch	14. Plastic
3. Repulsive – attractive	7. Magnetic – nonmagnetic	11. Insulator	15. Series
4. Mass	8. Electric	12. Conductor	16. Parallel

* (5) Give reasons for:

- Because the electric circuit is a path for electricity that consists of many components that work together.
- Because they are attracted to the magnet.
- Because they are non-magnetic materials.
- Because they are used in lighting houses and operating electrical devices.
- Because the battery is the source of electricity in the electric circuit.
- Because they allow electric current to flow through them easily.
- Because rubber and plastic are bad conductors of electricity to protect people from electric shock.
- Because the human body contains a lot of water which is good conductor of electricity.
- Because copper is an electric conductor that allows electric current to flow through.
- Because plastic is an electric insulator to prevent electricity from moving from the metal wires into our hands.
- Because resistors are used to slow the flow of electrons through an electric circuit to avoid the damage of its other components.
- To produce electrical currents that are send out through the heart, causing the heart to contract.

***(6) What happens if ... ?**

1. The force of gravity will increase.
2. The force of gravity between them will decrease.
3. The magnet will attract the iron nails but it will not attract the small pieces of paper.
4. An amount of electricity is produced and flow through the wires.
5. We can't open or close the circuit easily.
6. The electric circuit will be closed, so the electric current flows through the circuit.
7. Aluminum foil will not insulate electric wires as aluminum is a good conductor of electricity.
8. The electric current will flow through his body and he will be shocked by electricity.
9. If one light bulb blows out or is disconnected, the other bulbs will not work.
10. The needle of the galvanometer will move rapidly and the generated electric current will increase.
11. An artificial pacemaker is inserted into the chest and stimulates the heart muscle to beat at regular intervals.

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

1	Magnetic Material: iron nail - paper clip Nonmagnetic material: plastic spoon - piece of glass - wooden clip - copper wire	5	a. 1. Switch 2. Battery 3. Lamp 4. Electric wire b. electric current will flow and the lamp will light
2	1. Magnet – iron 2. Magnetic field 3. Iron filing	6	1- d 2- b 3- a 4- f 5- c
3	1. B 2. D	7	1. Pulling 2. Magnetic field 3. Magnetism 4. Gravitational force 5. mass
4	a. 1. B 2. A b. 1. True 2. False	8	1. Mass 2. Increases 3. electric current 4. magnetic field 5. electric insulators 6. electric conductors

تطبيق



مذكرات جاهزة للطباعة

لتحميل الملفات التعليمية مجاناً للمعلم والطالب

مذكرات وملازم / مراجعات وملخصات / امتحانات / كتب الوزارة /
أدلة المعلم / دفاتر التحضير / سجلات مدرسية / أوراق تأسيس

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وتقدر ف أي وقت تحمّل ال نفسك فيه ببلاش

هيغنيك عن البحث والجروبات والقنوات الكثيرة

