



**Revision Sheet (2016-17)**

**Name:** \_\_\_\_\_ **Grade: 5 Sec: A,B**

**Date:** \_\_\_\_\_ **Subject: Science**

**OBJECTIVE**

**Q#1 Multiple Choice Question.**

- Materials that are good conductor of heat allow \_\_\_\_\_ to pass through them quickly.  
a. Light                      b. Heat                      c. Electricity                      d. Sound                      (**b**)
- Electrical appliances require \_\_\_\_\_ to work.  
a. Heat                      b. Electricity                      c. Light                      d. Sound                      (**b**)
- Does not allow us to see through it:  
a. Transparent      b. Rigid      c. Opaque                      d. Waterproof                      (**c**)
- Magnetic materials like \_\_\_\_\_ and \_\_\_\_\_ can be attracted to magnet.  
a. Steel                      b. Iron                      c. a & b                      d. None                      (**c**)
- Select an example of immiscible liquids.  
a. alcohol, water                      b. oil, water                      c. oil, alcohol                      d. none                      (**b**)
- \_\_\_\_\_ is a technique to separate solids of large size from smaller.  
a. sieving                      b. decanting                      c. filtration                      d. a & b                      (**a**)
- Fresh water can be obtained from sea water for our daily use through \_\_\_\_\_.  
a. sieving                      b. filtration                      c. desalination                      d. none                      (**c**)



20. Each raindrop can disperse sunlight into \_\_\_\_\_ colors.  
a. five                      b. six                      c. seven                      ( b )
21. \_\_\_\_\_ cannot be created or destroyed.  
a. energy                      b. light                      c. heat                      ( a )
22. \_\_\_\_\_ is the main source of light energy on the earth.  
a. bulb                      b. sun                      c. heat                      ( b )
23. Our \_\_\_\_\_ requires energy for everything we do.  
a. car                      b. bike                      c. body                      ( c )
24. The food we eat provides us with \_\_\_\_\_ to move and do work.  
a. Light                      b. heat                      c. energy                      ( c )
25. A candle is made of:  
a. wax                      b. wood                      c. rubber                      ( a )

**Q#2    Fill in the blank.**

**(Answers)**

1. Water droplets fall from the clouds as \_\_\_\_\_.                      rain
2. \_\_\_\_\_ things need a constant supply of oxygen and carbon dioxide to survive.                      Living
3. Heat from the \_\_\_\_\_ causes water from the lakes, rivers and surface of the ground evaporate in to the air.                      Sun
4. No \_\_\_\_\_ materials are formed as a result of a physical change.                      new
5. The change in the \_\_\_\_\_ of a substance is also a physical change.                      appearance
6. Examples of physical changes are \_\_\_\_\_ a balloon and \_\_\_\_\_ glass.                      Inflating, breaking
7. A chemical change is one that involves a chemical \_\_\_\_\_.                      reaction

8. New materials are formed during a \_\_\_\_\_ change. chemical
9. \_\_\_\_\_ is produced when objects vibrate. sound
10. Sound travels in all \_\_\_\_\_ . directions
11. A space that has no matter in it is called \_\_\_\_\_ . vacuum
12. Sound requires a \_\_\_\_\_ to travel. medium
13. The \_\_\_\_\_ is in the centre of the solar system. Sun
14. \_\_\_\_\_ is the amount of matter in an object. Mass
15. Frictional force can be \_\_\_\_\_ or can cause problems. useful
16. Energy \_\_\_\_\_ from one form to another. changes
17. The candle wax stores \_\_\_\_\_ potential energy. chemical
18. Energy cannot be \_\_\_\_\_ or destroyed. created
19. The electric motor in an electric fan needs electricity to \_\_\_\_\_ .  
work
20. The increase in the Earth's temperature is known as \_\_\_\_\_ .  
global warming

**Q#3 Circle (True) for TRUE and (False) for FALSE.**

1. Substances change its state when it gains or losses heat. (True) (False)
2. Hot liquid wax left to cool at room temperature looses heat to surrounding. (True) (False)

3. When butter changes from solid to liquid state, its volume, shape, texture does not change. (True) (**False**)
4. Melting point of ice is 100°C. (True) (**False**)
5. A drinking bottle must not break or absorb water. (**True**) (False)
6. Opaque materials do not allow light to pass through them. (**True**) (False)
7. Magnetic material like steel and iron cannot be attracted to a magnet. (True) (**False**)
8. Two or more types of materials may be found in the same object. (**True**) (False)
9. Poor conductors of heat are called insulators. (**True**) (False)
10. The Earth and Moon exert gravitational pull on objects. (**True**) (False)
11. There are eight planets in the solar system. (**True**) (False)
12. In many countries there are four seasons. (**True**) (False)
13. The texture of soil depends on the amount of sand, silt and clay present in it. (**True**) (False)
14. Period of time without rain is called drought. (**True**) (False)

**Q#4 Match the Column.**

**Column "A"**

1. Sink
2. Drinking bottle
3. Windows
4. Bench

**Column "B"**

- a. Waterproof, Hard, Light (**b**)
- b. Waterproof, Strong, Hard (**a**)
- c. Strong, Rigid (**d**)
- d. Hard, Rigid, Transparent (**c**)

**Q#5 Match the Column.**

**Column "A"**

1. Light energy
2. Sound energy
3. Heat energy
4. Kinetic energy
5. Electrical energy

**Column "B"**

- a. We can hear ( e )
- b. Warm & Hot ( a )
- c. Movement energy ( b )
- d. Electrical equipments ( c )
- e. See all things ( d )

**Q#6 Match the Column.**

**Column "A"**

1. Weight
2. Mass
3. Lubricants
4. Newton
5. Spring balance

**Column "B"**

- a. Amount of matter ( b )
- b. Force between object and earth ( a )
- c. Unit of force ( e )
- d. Measure force ( c )
- e. Reduce friction ( d )

**SUBJECTIVE**

**Short and Long Questions/ Answers.**

**Q#7** What is an air made up of?

**Ans:** The air around us is made up of nitrogen, oxygen and carbon dioxide, water vapour and other gases.

**Q#8** What is water cycle?

**Ans:** Water cycle:

Water cycle is a continuous movement of water from the Earth, the sky and back to the Earth.

**Q#9 What is global warming?**

**Ans: Global Warming:**

Global warming is the increase in the Earth's temperature.

**Q#10 What is condensation?**

**Ans: Condensation:**

Condensation is the change of state of water from a gas to liquid.

**Q#11 How do human activities affect the water cycle?**

**Ans:** Human activities have caused great harm to our environment thus affecting the water cycle on the Earth. These activities includes deforestation and burning of fossil fuels.

**Q#12 Write some useful properties of materials.**

**Ans: Some useful properties of materials are:**

- Magnetic property
- Degree of transparency to light
- Heat conductivity
- Electrical conductivity

**Q#13 Define chemical waste.**

**Ans: Chemical waste:**

Substances those are harmful to the environment or our health.

**Q#14 Write the examples of physical change.**

**Ans: Examples of physical change are:**

- Inflating a balloon
- Breaking glass
- Cutting cloth
- Melting butter

**Q#15 What is meant by semi-permeable?**

**Ans:** A material which allows some substances to pass through but not others.

**Q#16 When does the state of substance change?**

**Ans:** A substance changes its state when it gains or losses heat.

**Q#17 What happen to a substance, when its state changes?**

**Ans:** When a substance changes its state, its physical properties change. Some of the physical properties are color, shape and volume etc.

**Q#18** Write the freezing point, boiling point and melting point of water.

**Ans:** Freezing point 0<sup>0</sup>

Boiling point 100<sup>0</sup>

Melting point 0<sup>0</sup>

**Q#19** What kind of problems are caused by friction?

**Ans:** Friction caused problems because it makes object to:

- Slow down
- Overheat
- Wear out

**Q#20** What is gravitational force?

**Ans:** Gravitational force:

Gravitational force is a force that can act at a distance from an object. Gravitational force is the force of attraction between things and the Earth.

**Q#21** What is the unit of force?

**Ans:** Newton is the unit of force.

**Q#22** What is mass?

**Ans:** It is the amount of matter in an object.

**Q#23 Gravitational force depends on what?**

**Ans:** It depends on the distance between the object the object and the Earth.

**Q#24 What is energy conversion?**

**Ans: Energy conversion:**

The change of energy from one form to another is called energy conversion.

**Q#25 What is the main source of energy?**

**Ans:** The Sun is the main source of energy.

**Q#26 Can energy be created or destroyed?**

**Ans:** Energy cannot be created or destroyed.

**Q#27 Write the different forms of energy.**

**Ans: Different forms of energy are:**

- Light energy
- Heat energy
- Electrical energy
- Kinetic energy
- Sound energy
- Potential energy

**Q#28 How does light travel?**

**Ans:** Light travels in straight line.

**Q#29**    **How does heat travel?**

**Ans:**    Heat travels through conduction, convection and radiation.

**Q#30**    **How can we change the brightness of a bulb?**

**Ans:**    We can change the brightness of bulb by changing the:

- Number of batteries
- Number of bulbs
- Arrangement of bulbs

**All work done in activity book will be included.**

*Best of Luck*