

INTERNATIONAL INDIAN SCHOOL BURAI DAH  
Worksheet for the Academic Year 2025 - 2026  
CLASS-5 /SUBJECT : ENVIRONMENTAL STUDIES  
L# 19 Materials and their Properties &  
L#20 Seeing is Believing

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**A. Fill in the blanks.**

1. Matter is made up of tiny particles called \_\_\_\_\_.
2. A molecule is a group of \_\_\_\_\_ bonded together.
3. \_\_\_\_\_ and \_\_\_\_\_ can change the physical shape of matter .
4. Contact lenses are worn directly on the \_\_\_\_\_ of eye .
5. \_\_\_\_\_ is the science of investigating small objects using the microscope .

**B. Choose the correct option.**

1. \_\_\_\_\_ can be compressed in a small space .  
a) Solids                                      b) Liquids                                      c) Gases
2. \_\_\_\_\_ do not have fixed shape, but have fixed volume.  
a) Solids                                      b) Liquids                                      c) Gases
3. \_\_\_\_\_ is an example of an translucent object.  
a) Iron                                      b) Wood                                      c) Tinted glass
4. A lens is made up of \_\_\_\_\_.  
a) fabric                                      b) water                                      c) glass
5. Microorganisms can be seen with the help of a \_\_\_\_\_.  
a) Telescope                                      b) Spectacles                                      c) microscope

**C. Write True or False.**

1. Matter has weight and volume .                      (       )
2. The molecules of each matter are unique.                      (       )
3. All substances can dissolve in water .                      (       )
4. There can be no sight without light .                      (       )
5. Scientists use binoculars to do research.                      (       )

**D. Match the following pictures where these belong.**



Detective(    )    Photographer(    )    Forensic Scientist(    )    Astronomer(    )

**E. Write in the boxes whether each is a solid, liquid or gas.**

1.



2.



3.



**F. Choose the correct answer.**

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

1. **Assertion (A):** Liquids have fixed shape and volume.

**Reason(R):** The molecules of a liquid are loosely packed.

Ans: \_\_\_\_\_

2. **Assertion (A):** Wood is an opaque substance.

**Reason(R):** We are not able to see through an opaque material.

Ans: \_\_\_\_\_

**G. Read the paragraph and answer the following questions.**

Matter on our Earth is in the form of solid, liquid or gas. Solids, liquids and gases are made of tiny particles called atoms and molecules. In a solid, the particles are close together and vibrate in position but do not move past one another. The particles of a liquid are close together, always moving, and can slide past one another. In a gas, the particles are very far apart. The particles do not interact with one another but just hit and bounce off of each other when they collide.

1. Which of the following molecules are closely attracted to each other ?

- a) Solids                      b) Liquids                      c) Gases                      d) None of these

2. Which of the following have no definite volume ?

- a) Solids                      b) Liquids                      c) Gases                      d) Liquid crystals

3. Which of the following can be compressed in a small space ?

- a) Solids                      b) Liquids                      c) Gases                      d) All of these

4. In which of the following, molecules are very rigid and cannot be moved from one place to another ?

- a) Solids                      b) Liquids                      c) Gases                      d) Super fluids

5. Which of the following have definite volume but no specific shape ?

- a) Solids                      b) Liquids                      c) Gases                      d) Liquid crystals

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Lessons # 21, 22 and 23

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**A. Fill in the blanks.**

1. An earthquake is measured on \_\_\_\_\_.
2. Tsunami is a series of \_\_\_\_\_.
3. Organisations like \_\_\_\_\_ and \_\_\_\_\_ help the disaster -stricken people.
4. Plants reproduce through \_\_\_\_\_.
5. Many plants tend to move towards source of \_\_\_\_\_.
6. Humans and animals breathe in \_\_\_\_\_ and breathe out \_\_\_\_\_.
7. \_\_\_\_\_ and \_\_\_\_\_ cause harm to marine habitat .
8. \_\_\_\_\_ is the most harmful effect of air pollution.

**B. Choose the correct option.**

1. A drought is always followed by \_\_\_\_\_.  
**a) floods                                      b) landslide                                      c) famine**
2. This device is used to measure the intensity of an earthquake is \_\_\_\_\_.  
**a) Seismometer                                      b) Thermometer                                      c) Speedometer**
3. \_\_\_\_\_ contribute to the fertility of the soil.  
**a) Snakes                                      b) Turtles                                      c) Earthworms**
4. \_\_\_\_\_ reproduce by laying eggs.  
**a) Tiger                                      b) Birds                                      c) Dogs**
5. A caterpillar turns into a beautiful \_\_\_\_\_.  
**a) Wasp                                      b) Spider                                      c) Butterfly**
6. Ozone layer is depleting rapidly because of release of \_\_\_\_\_.  
**a) Sulphur                                      b) Carbon dioxide                                      c) Methane gas**
7. Smog is the cause of \_\_\_\_\_.  
**a) Land pollution                                      b) Air pollution                                      c) Water pollution**
8. The major cause of air pollution are \_\_\_\_\_.  
**a) Human activities                                      b) Environmental noises                                      c) Sewage**

**C. Write True or False.**

1. An earthquake happens because of thunderstorms . (       )
2. A tsunami wave is 10-100 feet high. (       )
3. Drought-hit areas experience excessive rains. (       )
4. Predators are animals that prey on others . (       )
5. Animals that eat plants are called carnivores . (       )
6. Green plants act as producers in the ecosystem. (       )
7. The primary cause of land pollution is garbage . (       )
8. Cutting down trees helps control pollution. (       )

**D. Choose the correct answer.**

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

1. **Assertion (A):** Kuccha houses are wrecked in floods.

**Reason(R):** Kuccha houses are made of mud.

Ans: \_\_\_\_\_

2. **Assertion (A):** Bees are not important for maintenance of life on the earth.

**Reason(R):** Bees help in pollination of flowers.

Ans : \_\_\_\_\_

3. **Assertion (A):** Oil spills do not cause water pollution.

**Reason(R):** Oil spills cut off the air supply for aquatic animals.

Ans : \_\_\_\_\_

**E. Look at the picture and answer the following questions.**



1. The picture shown here is a

- a) Earthquake                      b) Flood                      c) Cyclone                      d) Drought

2. Define this natural calamity.

3. Write two after effects of this calamity.