



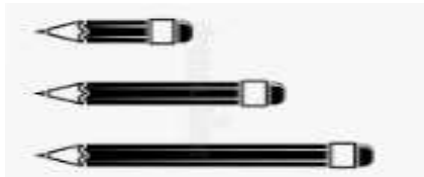
Name .....	Gr./ 5	Subject/ Science	Worksheet#1
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**Unit:13 , Lesson:1****What Are Solids, Liquids, and Gases?****T.B. 579 - 592****Lesson Vocabulary**

- **matter:** anything that has mass and volume
- **mass:** the amount of matter in an object
- **volume:** the amount of space an object takes up
- **temperature:** the measure of the energy of motion of the particles in matter
- **solid:** matter with a definite shape and volume
- **liquid:** matter that has a definite volume but does not have a definite shape
- **gas:** matter that does not have a definite shape or volume

**Q1. Choose the correct answer.**

1. Anything that has mass and volume is \_\_\_\_\_.  
a. mixture                      b. matter                      c. liquid
  
2. The amount of matter in an object is its \_\_\_\_\_.  
a. mass                      b. volume                      c. density
  
3. The amount of space an object takes up is its \_\_\_\_\_.  
a. mass                      b. volume                      c. density
  
4. \_\_\_\_\_ is found by dividing the mass of an object by its volume.  
a. Mass                      b. Volume                      c. Density
  
5. \_\_\_\_\_ is the measure of the energy of motion of the particles in matter.  
a. Temperature                      b. Weight                      c. Evaporation
  
6. Which is **true** about the largest pencil?



- a. It has more mass and volume.
- b. It has more mass and less volume.
- c. It has less mass and more volume.

7. The block of wood floats on the water because;



- a. the density of wood is less than the density of water.
  - b. the density of water is less than the density of wood.
  - c. the piece of wood has more volume than water.
8. A liquid has a volume of 50 ml and a mass of 50 g. What is the density of this liquid?

- a. 0.5 g/ml
- b. 10 g/ml
- c. 1 g/ml

9. Mass can be measured by using a \_\_\_\_\_.

- a. measuring cup
- b. balance
- c. thermometer

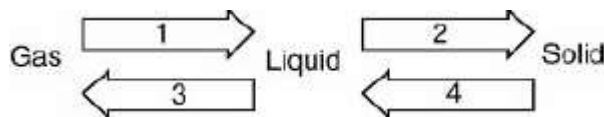
10. Matter that has a definite volume but does not have a definite shape is a \_\_\_\_\_.

- a. solid
- b. liquid
- c. gas

11. Matter without a definite volume or shape is called \_\_\_\_\_.

- a. solid
- b. liquid
- c. gas

12. What word belongs on arrow 2?



- a. melting
- b. evaporation
- c. freezing

13. When a liquid takes in energy, it \_\_\_\_\_, or changes to a gas.

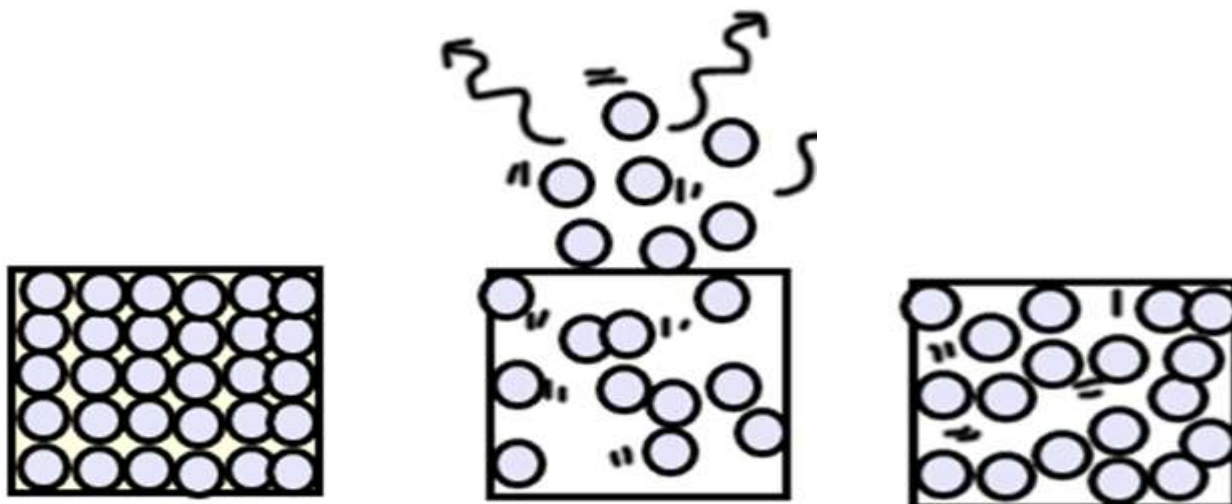
- a. evaporates
- b. condenses
- c. melts

14. For water, the melting and freezing points are \_\_\_\_\_.
- a.  $100^{\circ}\text{C}$                       b.  $0^{\circ}\text{C}$                       c. above  $100^{\circ}\text{C}$
15. At what temperature is water a solid?
- a. below  $0^{\circ}\text{C}$   
b. between  $0^{\circ}\text{C}$  and  $100^{\circ}\text{C}$   
c. above  $100^{\circ}\text{C}$
16. The boiling point of water is \_\_\_\_\_.
- a.  $100^{\circ}\text{C}$                       b.  $0^{\circ}\text{C}$                       c.  $50^{\circ}\text{C}$
17. Matter may be a gas, solid, or liquid. Which change most often causes matter to change state?
- a. change in mass  
b. change in volume  
c. change in temperature

**Q2. Put (True) or (False).**

1. Different liquids flow at different rates. (    )
2. Gases can expand or compress. (    )
3. A liquid is matter with a definite shape and volume. (    )
4. The particles of solids move very quickly. (    )
5. The temperature at which matter freezes or boils is the same. (    )
6. When a gas releases energy, it condenses, or changes to a liquid. (    )

**Q3. Name each state of matter and describe the motion of particles.**



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**Q4. Explain.**

1. A balloon filled with helium floats in air.

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**Q5. Define.**

matter;

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volume;

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