



RAMAGYA SCHOOL, NOIDA  
CLASS V/SCIENCE/2018-19  
OLYMPIAD PRACTICE WORKSHEET

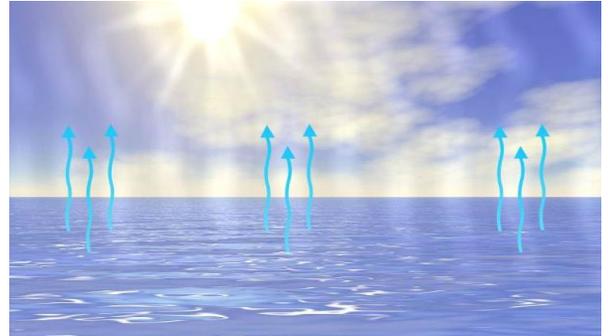
Name- \_\_\_\_\_

class- \_\_\_\_\_

Concept based Questions

Q.1) Which process is depicted in the following figure?

- a) Condensation
- b) Sublimation
- c) Evaporation
- d) Boiling



Q.2) Which of the following is a physical change?

- a) Melting of ice
- b) Baking of cake
- c) Breaking of glass
- d) Both (a) and (b)

Q.3) The conversion of ice into water is an example of \_\_\_\_\_.

- a) Evaporation
- b) condensation
- c) melting
- d) freezing

Q.4) What hot, liquid rock spews out of an erupting volcano called?

- a) ash
- b) magma
- c) lava
- d) carbon dioxide

Q.5) The diagram given below depicts which of the processes of change of state of matter?

- a) Sublimation
- b) Evaporation
- c) Vaporization
- d) Condensation



Q.6) Opposite of freezing is \_\_\_\_\_.

- a) Sublimation
- b) Condensation
- c) vaporization
- d) Melting

Q.7) Fossils are most often found in \_\_\_\_\_.

- a) sedimentary rock      b) lava      c) sand      d) igneous rock

Q.8) Pick the correct option.

- a) Liquid can freeze      b) Solids can freeze      c) Gas can freeze      d) All of these

### Application Based Questions

Q.9) Baking of cake is an example of \_\_\_\_\_.

- a) Chemical change      b) Reversible change  
c) Irreversible change      d) both (a) and (c)

Q.10) Over a period of time igneous rocks become sedimentary rocks, sedimentary rocks then become metamorphic rocks. This is known as the \_\_\_\_\_.

- a) water cycle      b) geologic cycle      c) atmosphere cycle      d) rock cycle

Q. 11) Why can't we make statue of water?

A: Liquid can't have its own shape.

B: It is hard to change shape of water like iron.

- a) Only      b) Only B      c) Both A and B      d) Neither A or B

Q. 12) I painted the inner four walls of a box. Then I put an ice block into it such that it did not touch the walls, but I couldn't do the same when I put water in that box. Why?

a) Liquid takes the shape of container, so it will always touch the walls of the box in which you put it.

b) The molecules of liquid are more tightly packed than that of gases.

c) Both (a) and (b)

d) Neither (a) and (b)

Q. 13) Which of the following is an example of condensation?

a) Formation of ice from water.

b) Conversion of water vapour from ice.

c) Conversion of water from water vapour.

d) Conversion of water vapour from water.

Q. 14) Count the number of solid, liquid and gases and choose the correct option.

Rock	Air	Brick	Water vapour
Milk	Juice	Wood	Water

a) Solids-2 ,Liquid-3 ,Gas-3

b) Solids-3,Liquid-3,Gas-2

c) Solids-3,Liquid-2 ,Gas-3

d) Solids-2 ,Liquid-3,Gas-3

Q. 15) What do all rocks have in common?

a) same color

b) they all have minerals

c) same shape

d) same size

### HOTS Questions

Q. 16) 'Lohri' is a famous festival of India that is celebrated in North India with great vigor and excitement. In festival, people burn wood as done in bonfire. When these wooden logs burn, they turn into ashes. What is such burning of wood, an example of?

a) Physical change

b) Chemical change

c) Both physical and chemical change

d) None of these

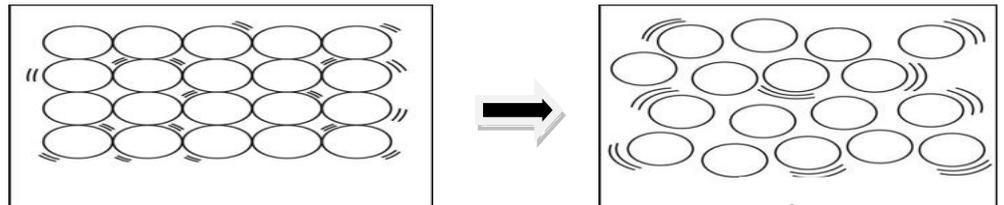
Q.17) Which change of state occurs when particles in a solid begin to move slowly past each other?

a) Melting

b) Boiling

c) Condensing

d) Subliming



Q. 18) Read the given statements and choose the correct option.

Statement A: I can easily compress the water in a jar to reduce its volume.

Statement B: When water evaporates, it turns into solid.

a) Only statement A is true.

b) Only statement B is true

c) Both the statements are true

d) Both the statements are false.

Q.19) Which of the following change once occur will not come back to its original shape & size ?

a) Melting of ice

b) Baking of cake

c) Breaking of glass

d) both (a) and (b)

### Value Based Question

**Q.20) Shreya loves to eat ice cream. Her mom purchases two ice-cream for her. She had eaten one ice cream and kept the other one in kitchen and went to play. When she came back she noticed the ice-cream got melted. She started crying loudly. As an elder brother of Shreya, how will you manage this situation?**

- a) Start scolding her.**
- b) Bring one more ice cream from the shop.**
- c) Keep the melted ice cream in the refrigerator so that it gets freeze again**
- d) Tell her to watch cartoon on television.**