

## Class 6 Science worksheet

**Q1. Assertion (A):** While measuring the temperature of hot water using laboratory thermometer, the temperature must be read while the thermometer is immersed in water.

**Reason (R):** The level of the mercury column begins to fall as soon as you take the laboratory thermometer out of the water.

- i) Both A and R are true and R is the correct explanation of the assertion.
- ii) Both A and R are true but R is not the correct explanation of the assertion.
- iii) A is true but R is false.
- iv) A is false but R is true.

**Q2.** State the name of the process for each of the following.

- i) Water drops appear on the outer surface of a glass containing cold water.
- ii) Steam rising from wet clothes while they are ironed.
- iii) Fog appearing on a cold winter morning.
- iv) Blackboard dries up after wiping it.
- v) Steam rising from a hot pan when water is sprinkled on it.

**Q3.** Match the following



<b>1. Threshing</b>	<b>a. Separating heavier and lighter components by wind</b>
<b>2. Winnowing</b>	<b>b. Separating grains from stalks</b>
<b>3. Filtration</b>	<b>c. Removing dissolved salt from water</b>
<b>4. Evaporation</b>	<b>d. Separating tea leaves from tea</b>
<b>5. Condensation</b>	<b>e. Converting water vapor back into liquid form</b>

Q4.Assertion (A): Sunlight softens the seed coat and helps the tiny embryo to develop into a plant.

Reason (R): The presence of light is not essential for the germination of seeds.

- i) Both A and R are true and R is the correct explanation of the assertion.
- ii) Both A and R are true but R is not the correct explanation of the assertion.
- iii) A is true but R is false.
- iv) A is false but R is true.

Q5.Read the given passage and answer the following questions.

The Sun is a star. It is the only star in our solar system. It is an extremely hot spherical ball of gases. The Sun gives out a huge amount of energy and glows brightly. The Earth and other planets



revolve around the Sun. The eight planets, in order of their increasing distance from the Sun are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. The four inner planets are Mercury, Venus, Earth and Mars. They are rocky in nature. The four outer planets are Jupiter, Saturn, Uranus and Neptune. They are gaseous in nature.

a) What is the sun?

b) Name all the planets of the solar system in increasing order of distance from the sun.

Q6.The sun is the main source of energy on the earth. Justify the statement.

Q7. Convert (i)  $50^{\circ}\text{C}$  and (ii)  $85^{\circ}\text{C}$  to Kelvin.

Q8.Which planet is called the Red planet and why?

Q9.How can you separate iron filings from a mixture of iron filings and sawdust?

Q10.Give reasons for the following statements.

i) Clothes dry faster on a windy day.

ii) After washing the utensils, water remains on the surface of utensils and after sometime it disappears.

