

BCM SCHOOL
BASANT AVENUE, DUGRI ROAD, LUDHIANA
Class VII SCIENCE
Assignment

General Instructions:

1. Q. 1 to 3 are multiple choice type questions carries 1 mark each.
2. Q.4 to 5 are Assertion- Reason type questions carries 1 mark each.
3. Q.6 is very short answer type question carries 2 marks.
4. Q. 7 is short answer type question carries 3 marks.
5. Q. 8 to 9 are long answer type questions carries 5 marks each.
6. Q. 10 is Case Study based question.

Tick the correct option

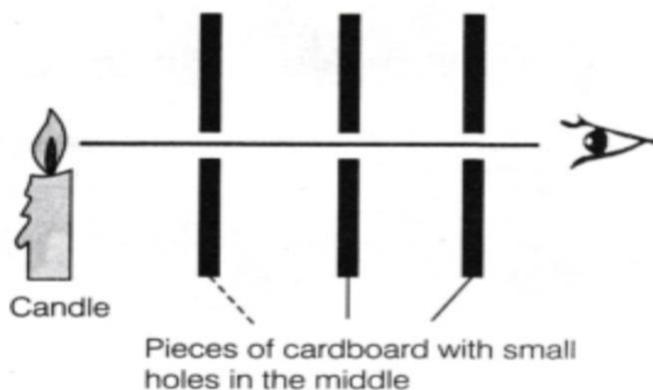
1. Which of the following is a chemical change?

- (a) Burning of paper
- (b) Reaction of vinegar with baking soda
- (c) Addition of carbon dioxide to lime water
- (d) All of these

2. Which gas turns lime water milky?

- (a) Oxygen
- (b) Hydrogen
- (c) Nitrogen
- (d) Carbon dioxide

3. The experiment in the diagram shows that



- (a) Light rays are very thin
- (b) A beam of light is made up of lots of light rays
- (c) Light rays travel in straight lines
- (d) The eye can only see in a straight line

The questions (4-5) below consist of an assertion and a reason. Use the following key to choose the appropriate 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

4. Assertion (A) : Some changes which result in formation of new substances are called chemical changes.

Reason (R) : Chemical changes are irreversible.

5. Assertion (A): It is fatal to touch a live wire with bare feet and uncovered hands.

Reason (R): The electric current passes through the body to the earth forming a circuit and burns the blood

6. Explain the function of bar screens in a wastewater treatment plant.

7. why are electrical wires typically made of metal like copper?

8. A) When baking soda is mixed with lemon juice, bubbles are formed with the evolution of a gas. What type of change is it? Explain.

B) Does transpiration serve any useful function in the plants? Explain.

9. Describe how crystals of copper sulphate are prepared with well labelled diagram

10. Case Study

A food stall owner was preparing dough for making bhaturas. He added a pinch of yeast and sugar to the dough and left it in a warm place. After few hours, the dough had risen. There was a sour smell too.

- (a) Why did the dough rise?
- (b) Why did the dough smell sour?
- (c) Why was sugar added to the dough?
- (d) What would have happened if the dough was kept in the refrigerator, soon after it was prepared?