

CBSE Class 10 Science Sample Paper

Section-I: Choose the correct answers: (15 x 1 =15 marks)

1. Ethane, with the molecular formula C₂H₆ has
 - A. 6 covalent bonds.
 - B. 7 covalent bonds.
 - C. 8 covalent bonds.
 - D. 9 covalent bonds.
2. Butanone is a four-carbon compound with the functional group
 - A. Carboxylic acid.
 - B. Aldehyde.
 - C. Ketone.
 - D. Alcohol.
3. While cooking, if the bottom of the vessel is getting blackened on the outside, it means that
 - (a) The food is not cooked completely.
 - (b) The fuel is not burning completely.
 - (c) The fuel is wet.
 - (d) The fuel is burning completely.
4. Green plants are the first living organism in a food chain. Where do plants get the energy that they pass along to the primary consumers in their food chains?
 - A. From decomposers
 - B. From the Sun
 - C. From secondary consumers
 - D. From other plants
5. _____ provide evidence that living things evolved from earlier species.
 - A. Fossils
 - B. Videos of dinosaurs
 - C. Religions
 - D. Historical fictions
6. An unknown element is a soft metallic solid. It is highly reactive and has a low melting point. In which group of the periodic table is it most likely to be found?
 - A. 2
 - B. 18
 - C. 1
 - D. 17
7. What products are formed during the following reaction?
$$\text{H}_2\text{SO}_4 \text{ (aq)} + \text{KOH} \text{ (aq)} \rightarrow$$
 - A. KH and SO₂
 - B. K, SO₂ and H₂O
 - C. KS, O₂ and H₂
 - D. K₂SO₄ and H₂O