

# CBSE Class 10 Science Sample Paper

**Section-I: Choose the correct answers:**

**(15 x 1 =15 marks)**

1. Ethane, with the molecular formula  $C_2H_6$  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?  
 $H_2SO_4(aq) + KOH(aq) \rightarrow$ 
  - A. KH and  $SO_2$
  - B. K,  $SO_2$  and  $H_2O$
  - C.  $K_2S$ ,  $O_2$  and  $H_2$
  - D.  $K_2SO_4$  and  $H_2O$