

Short Answer Questions

Q. 1. Paheli bought a statue made of copper. To her surprise it acquired a dull green coating after a couple of months. Explain the reason. [NCERT Exemplar]

Ans. The green material is a mixture of copper hydroxide and copper carbonate formed due to reaction of copper with moist air (water, oxygen and carbon dioxide).

Q. 2. In the figure given below you find that the bulb glows when an iron nail is placed between two ends of wire. Complete the following sentences on the basis of this fact. [NCERT Exemplar]



(i) _____ is a metal.

(ii) Metals are good _____ of electricity.

Ans. (i) Iron

(ii) Conductors

Q. 3. If in the above figure iron nail is replaced by a wooden stick, will the bulb glow or not? Justify your answer. [NCERT Exemplar]

Ans. The bulb will not glow as wood is not a good conductor of electricity.

Q. 4. Paheli prepared a blue coloured solution of copper sulphate in beaker A and placed an iron nail in it. Boojho prepared a yellowish green solution of ferrous sulphate in beaker B and placed a copper wire in it. What changes will they observe in the two beakers after an hour? [NCERT Exemplar]

Ans. In beaker A, a reddish brown layer of copper will deposit on the iron nail and the blue coloured solution will become yellowish green. On the other hand, no change is observed in beaker B.

Q. 5. A doctor prescribed a tablet to a patient suffering from iron deficiency. The tablet does not look like iron. Explain. [NCERT Exemplar]

Ans. The tablet is not made of iron metal, instead it contains a salt of iron.