

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Materials: Metals and Non-Metals

Q1. One day Reeta went to a jeweller's shop with her mother. Her mother gave old gold jewellery to the goldsmith to polish. Next day when they brought the jewellery back, they found that there was a slight loss in its weight. Can you suggest a reason for the loss in weight?

Ans. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Q2. State some of the physical properties of non-metals.

Ans. \_\_\_\_\_  
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Q3. What are the uses of non-metal?

Ans. \_\_\_\_\_  
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Ans. In order to polish the gold ornament, it is to be dipped into a liquid called aquaregia (a mixture of hydrochloric acid and nitric acid). On getting dissolved in the environment of aquaregia, the outer layer of gold dissolves and an inner shiny layer appear. The dissolving of the layer causes a reduction in the weight of the jewellery.

Q2. State some of the physical properties of non-metals.

Ans. Physical properties of non-metals

- i. They are brittle.
- ii. They are not ductile.
- iii. They are poor conductors of heat and electricity.
- iv. They are dull.
- v. They are not strong.
- vi. They are not sonorous.
- vii. Most of the solid non-metals are quite soft.

Q3. What are the uses of non-metal?

Ans. Uses of non-metal

- i. Non-metal essential for our life which all living beings inhale during breathing,
- ii. Non-metals used in fertilisers to enhance the growth of plants,
- iii. Non-metal used in water purification process,
- iv. Non-metal used in the purple coloured solution which is applied on wounds as an antiseptic,
- v. Non-metals used in crackers.