1. Which property let workers hammer the Statue of Liberty's copper into shape?

   ☐ Malleability

   ☐ Low density

   ☐ Magnetism

   ☐ Brittleness

2. Why was aluminium used in the Wright brothers' engine?

   ☐ It is magnetic

   ☐ It has a low density

   ☐ It is the best conductor

   ☐ It is the cheapest metal

3. Which element did Brearley add to steel to stop rusting?

   ☐ Tin

   ☐ Chromium

   ☐ Carbon

   ☐ Zinc

4. Which of these metals is the most reactive?

   ☐ iron

   ☐ copper

   ☐ potassium

   ☐ gold

5. Rusting of iron requires which two things? (Select all that apply.)

   ☐ water

   ☐ oxygen

   ☐ nitrogen

   ☐ sunlight

   Tick every correct option.

6. A rock containing enough of a metal compound to extract is called an:

   ☐ isotope

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   ☐ alloy

   ☐ ore

7. Graphite is a non-metal that conducts electricity.

   ☐ True ☐ False

8. Aluminium resists corrosion because of a thin oxide layer.

   ☐ True ☐ False

9. Stainless steel resists rusting because chromium forms a protective oxide layer.

   ☐ True ☐ False

10. Being very unreactive, _____ is found near the bottom of the reactivity series.

    _____

1. **Malleability**

   It bends without cracking.

2. **It has a low density**

   Low mass mattered most.

3. **Chromium**

   About 13% chromium.

4. **potassium**

   Potassium is near the top of the reactivity series.

5. **water; oxygen**

   Both water and oxygen are needed.

6. **ore**

   Metals are extracted from their ores.

7. **True**

   An exception.

8. **True**

   The layer protects the metal.

9. **True**

   A thin, tough layer.

10. **gold**

    Gold is one of the least reactive metals.

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