

Science

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(Chapter 3)(Metals and Non - Metals)
Class - 10

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Question 1:

Give an example of a metal which

- (i) is a liquid at room temperature.
- (ii) can be easily cut with a knife.
- (iii) is the best conductor of heat.
- (iv) is a poor conductor of heat.

Answer 1:

- (i) Metal that exists in liquid state at room temperature → Mercury
- (ii) Metal that can be easily cut with a knife → Sodium, Potassium
- (iii) Metal that is the best conductor of heat → Silver, Gold
- (iv) Metals that are poor conductors of heat → Mercury and lead

Question 2:

Explain the meanings of malleable and ductile.

Answer 2:

Malleable:

Substances that can be converted into thin sheets by beating are called malleable. Most of the metals are malleable. Gold and Silver are most malleable metals.

Ductile:

Substances that can be drawn into thin wires are called ductile. Most of the metals are ductile. Gold is the most ductile metal.