

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.