

LAB 16: CONDUCTORS & INSULATORS

AIM: To identify conductors and insulators

APPARATUS & MATERIALS:

bulb	steel wool	sulphuric acid
bulb holder	copper	distilled water
dry cells	lead	copper(II)sulphate
connecting wires	zinc	ammonium chloride
cork	gold	brass
wood	aluminum	ebonite

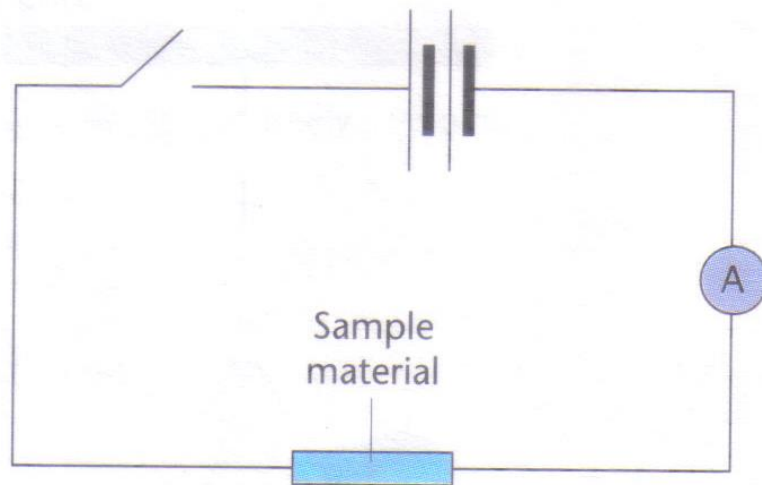


Diagram: Circuit diagram for identifying conductors and insulators

METHOD:

- Set up the circuit as shown in the diagram above
- Connect the various materials at Point A and Point B so that a closed circuit can be formed.
- Record the brightness of the bulb for each material.

THEORY:

- Define conductors and insulators.

RESULTS:

- Record all results in table below (showing all headings)

Material	Brightness of Bulb

CONCLUSION:

- Which of the following are good conductors, poor conductors and insulators?