

Conductors and Insulators

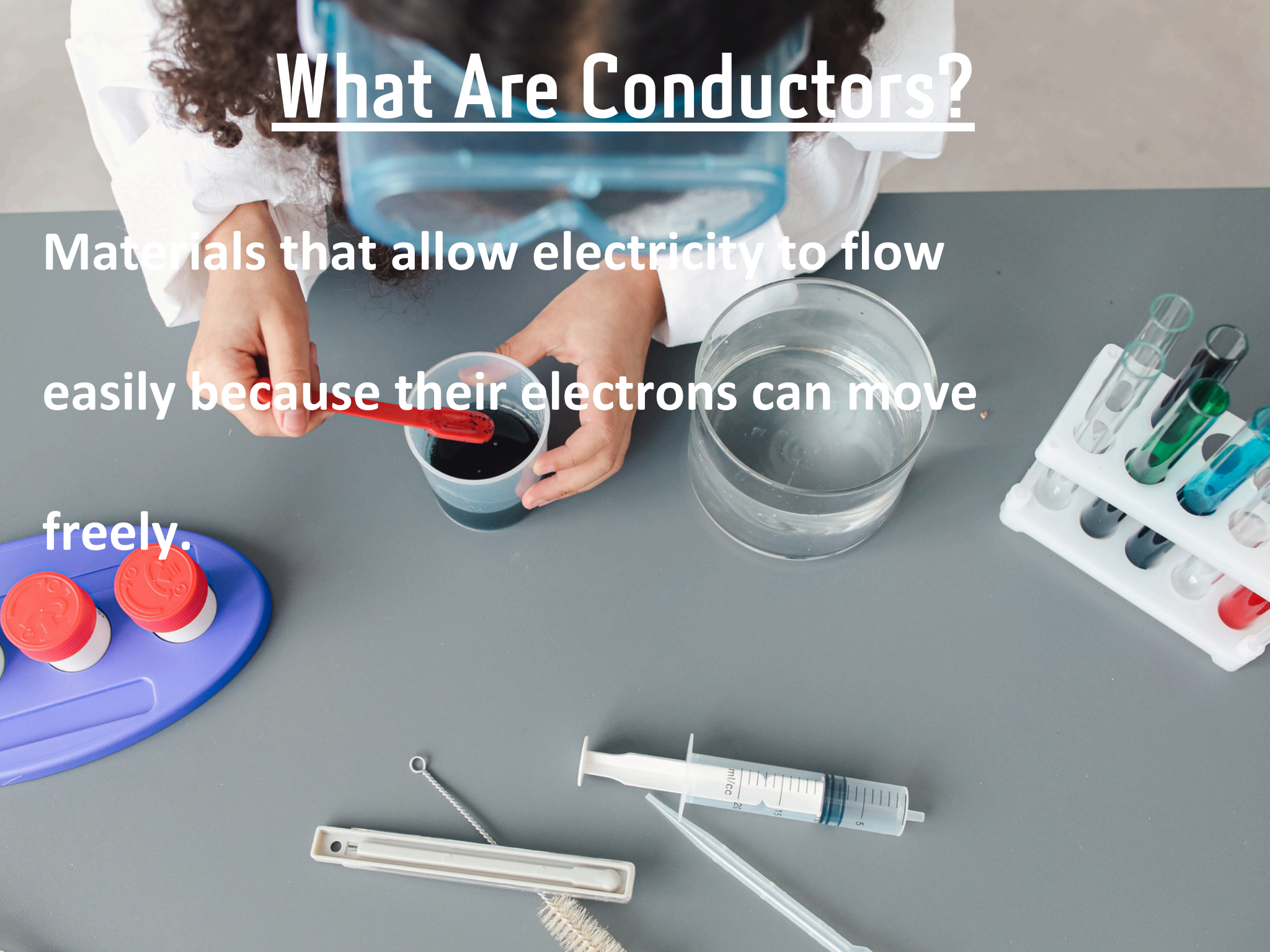


Prepared by: Telma Radi Alahmad–

Grade 5

What Are Conductors?

Materials that allow electricity to flow easily because their electrons can move freely.



Properties of Conductors

- *Allow electricity to pass*
- *Usually metals*
- *Also conduct heat*



Examples of Conductors

- Copper
- Aluminum
- Iron
- Steel
- Salt water



What Are Insulators?

Materials that do NOT allow electricity to flow because their electrons do not move.



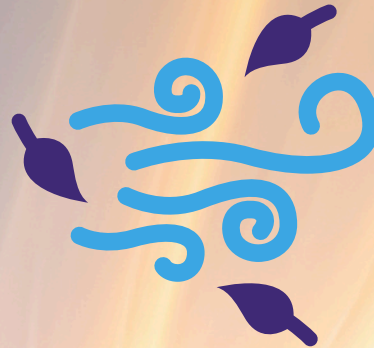
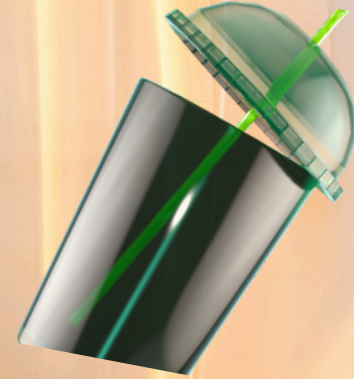
Properties of Insulators

- Do not allow electricity
- Keep us safe
- Used to cover wires



Examples of Insulators

- Plastic
- Rubber
- Wood
- Glass
- Air



Why Are They Important?

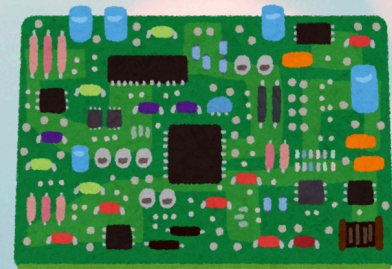
Conductors help electricity move.

Insulators protect us from electric shock.

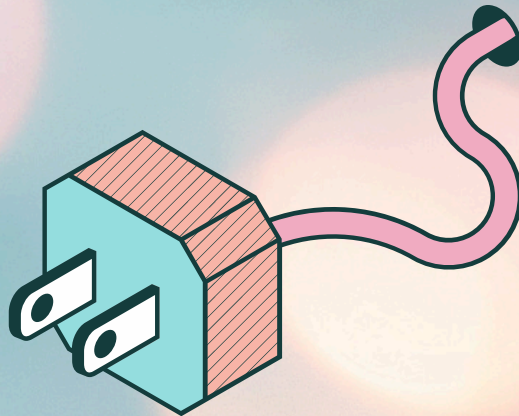


Where Do We Use Them?

Conductors: wires, circuits, devices



Insulators: wire covers, tools, plugs



Summary.

Conductors = electricity flows

Insulators = electricity blocked

Both are needed for safe
electricity use.

