Our
Learning
Community

MIDDLE PRIMARY

Advance Science

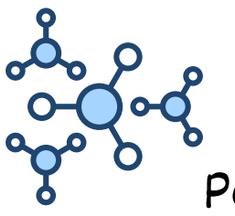
E-Booklet

Part 1

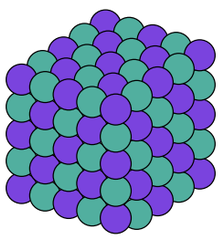
State of Matter

Middle Primary Advance Science

Match the keyword to the definition by adding numbers.



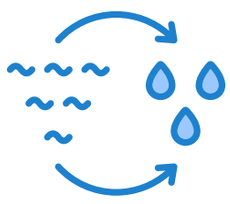
1 Particle



2 Solid

3 Liquid

4 Gas



5 Condensation

6 Evaporation

7 Freezing

8 Boiling

[ ] Matter with a defined shape and volume. The particles are very close together and arranged in an organized fashion.

[ ] A tiny piece of matter. They can be atoms, molecules or ions.

[ ] Matter that has no fixed volume or shape. The particles are spaced far apart and can move in any direction.

[ ]

[ ] The state change which occurs when the surface of a liquid warms up and turns into a gas.

[ ] The state change which occurs when a liquid is cooled down and turns into a solid.

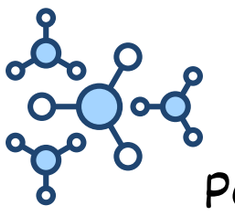
[ ] The state change which occurs when gas is cooled down and forms a liquid.

[ ] The state change (which occurs in water at 100^{0}C) when a liquid turns into a gas.

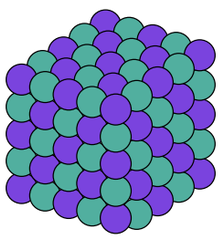
State of Matter - Solutions

Middle Primary Advance Science

Match the keyword to the definition by adding numbers.



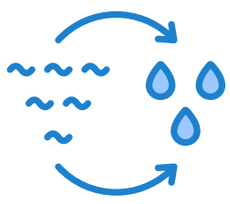
1 Particle



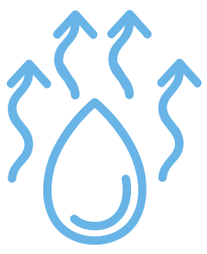
2 Solid

3 Liquid

4 Gas



5 Condensation



6 Evaporation

7 Freezing

8 Boiling

2 Matter with a defined shape and volume. The particles are very close together and arranged in an organized fashion.

1 A tiny piece of matter. They can be atoms, molecules or ions.

4 Matter that has no fixed volume or shape. The particles are spaced far apart and can move in any direction.

3 Matter which has a defined volume but no fixed shape. The particles are close together but arranged randomly.

6 The state change which occurs when the surface of a liquid warms up and turns into a gas.

7 The state change which occurs when a liquid is cooled down and turns into a solid.

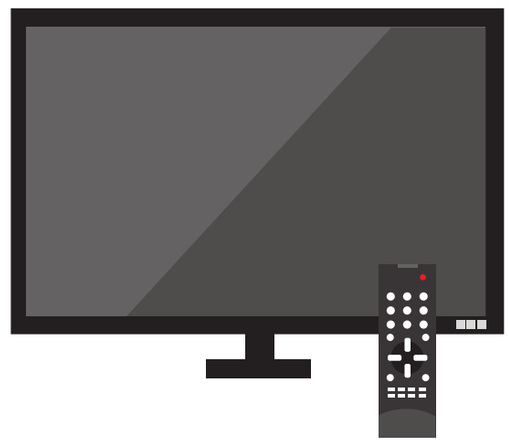
5 The state change which occurs when gas is cooled down and forms a liquid.

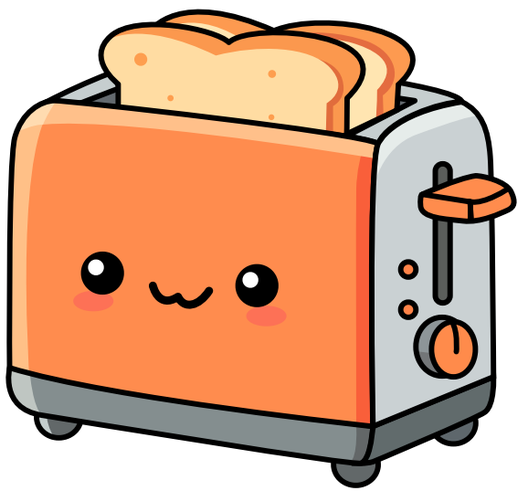
8 The state change (which occurs in water at 100^{0}C) when a liquid turns into a gas.

What Needs Electricity?

Middle Primary Advance Science

Circle the objects that need electricIty.

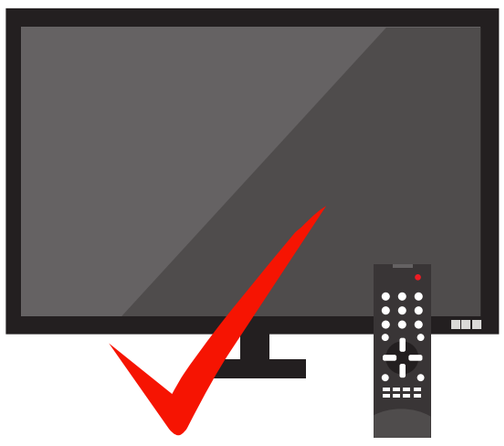


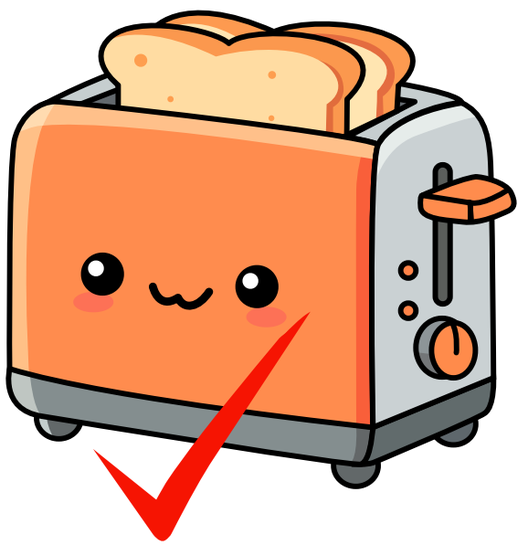


What Needs Electicity? - Solutions

Middle Primary Advance Science

Circle the objects that need electricIty.





Label the Electrical Circuit

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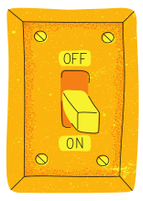
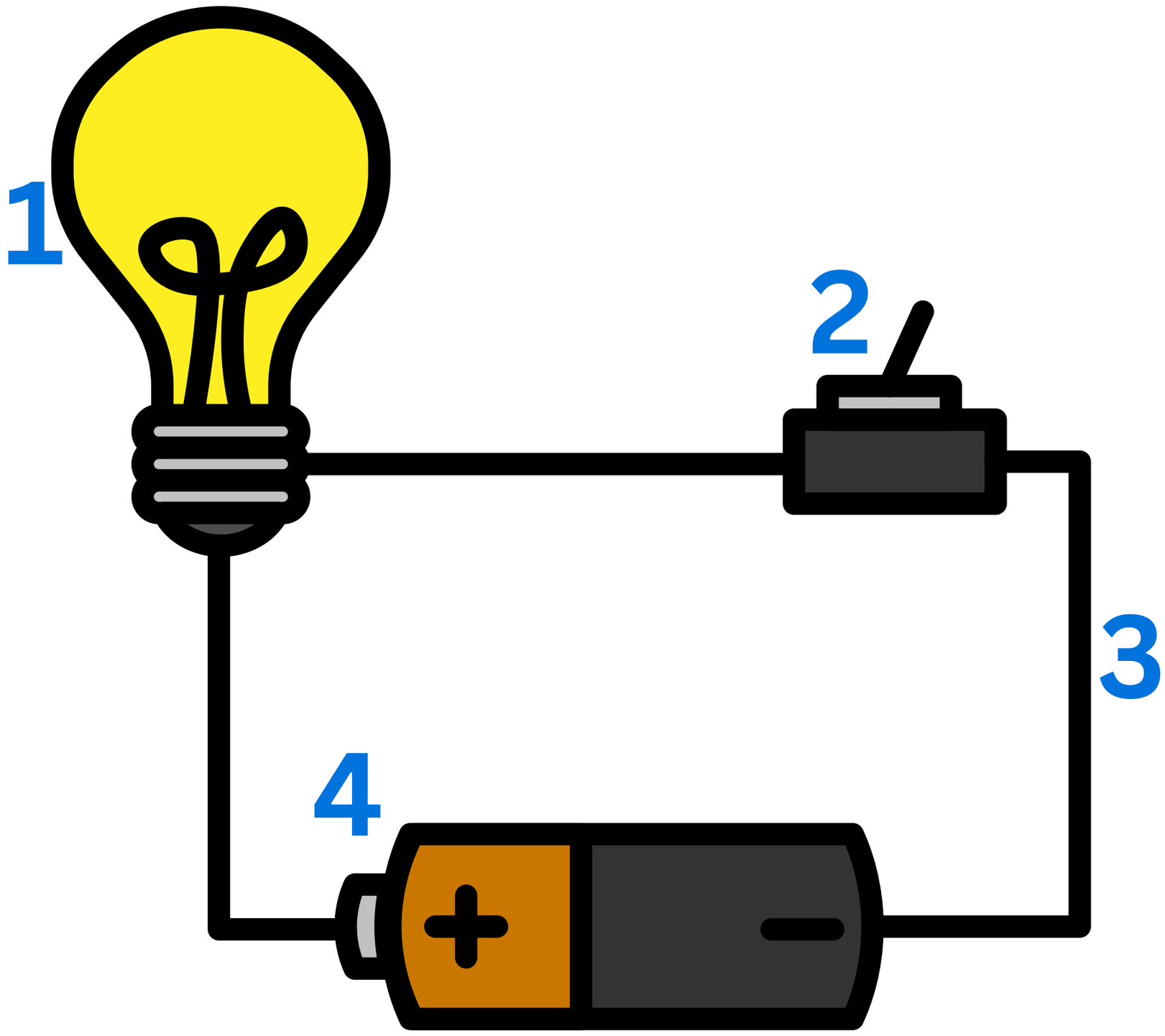
Label the parts of the electrical circuit.

switch	battery	wire	bulb





1 _____

2 _____

3 _____

4 _____

Label the Electrical Circuit - Solutions

Middle Primary Advance Science

Label the parts of the electrical circuit.

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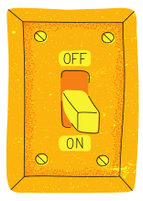
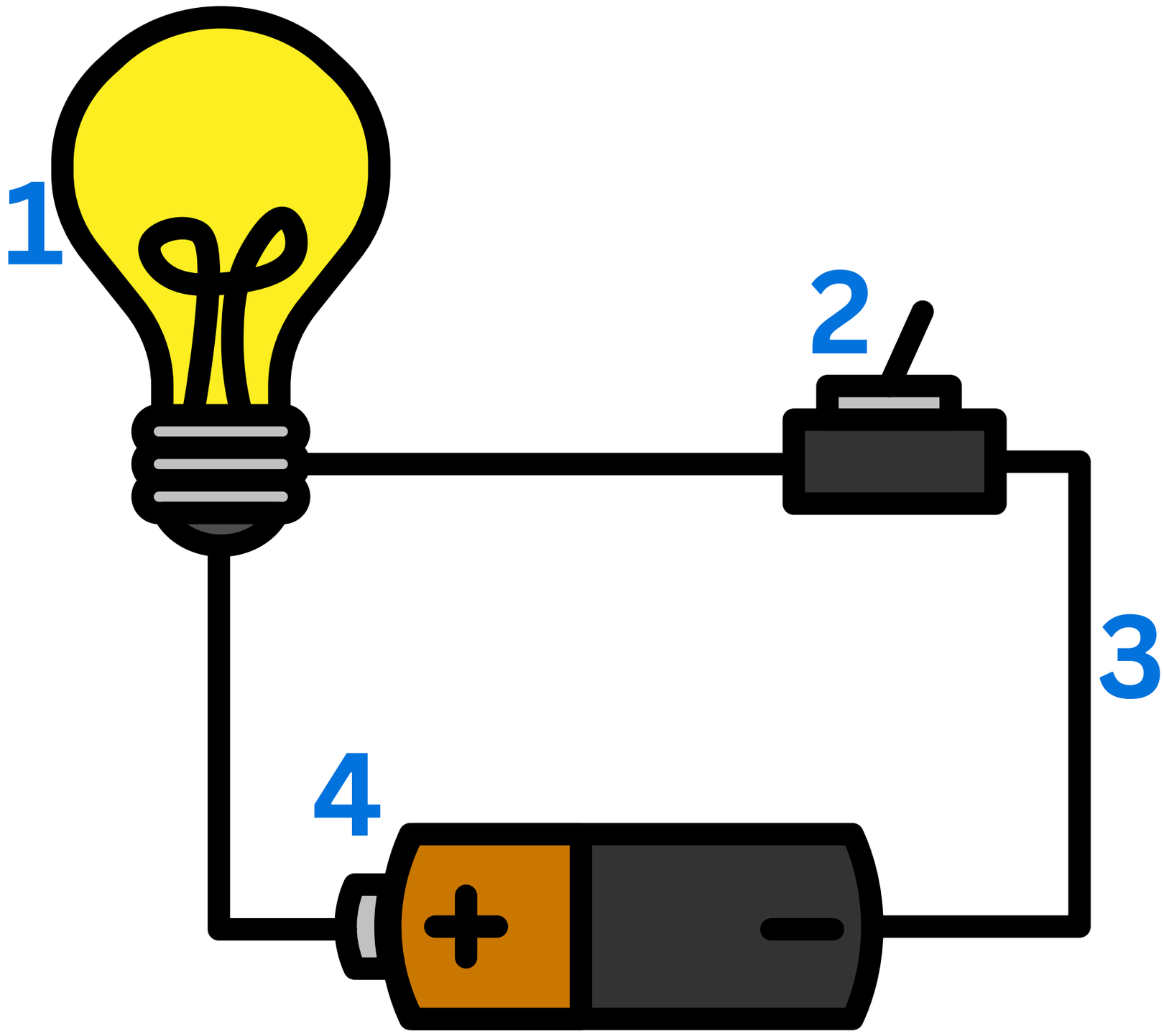
bulb



switch

battery

wire



1 bulb

2 switch

3 wire

4 battery

Electrical Conductors or Insulators

Middle Primary Advance Science

Write conductor or insulator in the lines provided for the materials in the pictures

- **A conductor is a material that allows electricity to pass through it.**
- **An insulator is a material that doesn't allows electricity to pass through it**

Rubber Gloves

Nails

Wooden Plank

Rubber Tyre

Coin

Glass Cup

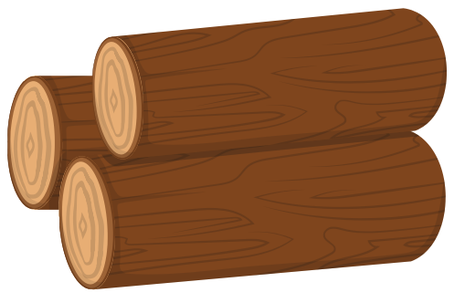
Aluminium Foil

Metal Spoon

Wooden Ladle

Plastic Cup

Metal Scissors



Wood Logs

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Rubber Gloves

insulator

Nails

conductor

Wooden Plank

insulator

Rubber Tyre

insulator

Coin

conductor

Glass Cup

insulator

Aluminium Foil

conductor

Metal Spoon

conductor

Wooden Ladle

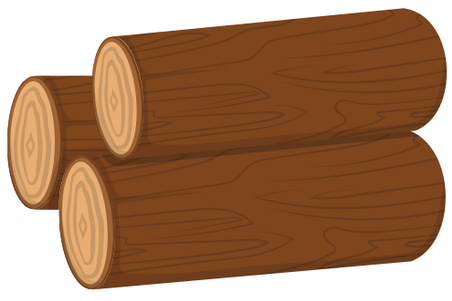
insulator

Plastic Cup

insulator

Metal Scissors

conductor



Wood Logs

insulator