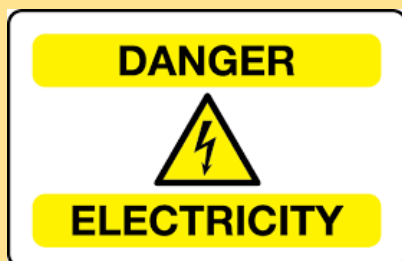


Monday 9th November 2020

LO: Design a circuit to light a bulb.



Read the text with a partner

Conductors

Some materials let electricity pass through them easily. These materials are known as electrical conductors.

Many metals, such as copper, iron and steel, are good electrical conductors. That is why the parts of electrical objects that need to let electricity pass through are always made of metal.

Metal is used in plugs to allow electricity to transfer from the wall socket, through the plug, and into a device such as a radio or TV.

In a light bulb, the metal filament conducts electricity and causes the light bulb to light up.

Insulators

Some materials do not allow electricity to pass through them. These materials are known as electrical insulators.

Plastic, wood, glass and rubber are good electrical insulators. That is why they are used to cover materials that carry electricity.

The plastic covering that surrounds wires is an electrical insulator. It stops you from getting an electrical shock.



**I
do**Conductors

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conductors allow.....

Conductors are materials that allow electricity to pass through them.

examples of conductors are....

Examples of conductors are gold and copper.



**we
do**Conductors

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insulators _____ allow _____

examples of insulators are....



you
do

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1



Monday 9th November 2020

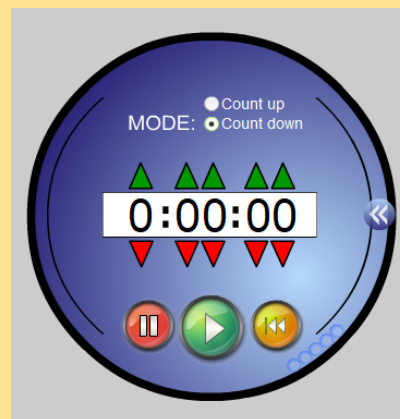
LO: Design a circuit to light a bulb.

conductors allow.....

examples of conductors are....

insulators _____ allow _____

examples of insulators are....



Starter:

Fill in the '

Circuit	
Conductor	
Current	



Circuit

A complete and closed path around which a circulating electric current can flow.

Conductor

A material or device which allows heat or electricity to carry through .

Current

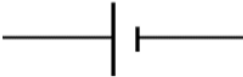
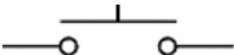
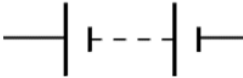
A flow of electricity which results from the ordered directional movement of electrically charged particles .

LO: Design a circuit to light a bulb.



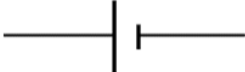
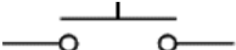
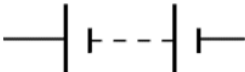
What is a symbol?

LO: Design a circuit to light a bulb.

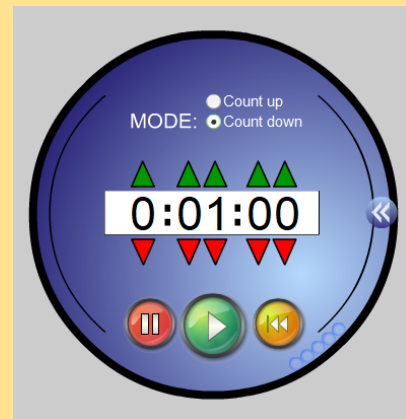
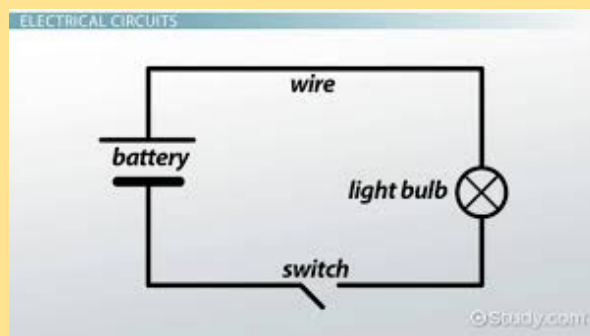
			
			

LO: Design a circuit to light a bulb.

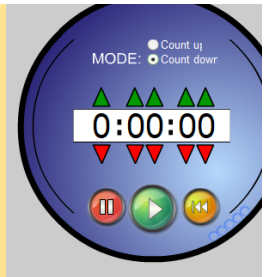
Activity 1: Match the symbols to the definitions (on whiteboards)

LO: Design a circuit to light a bulb.



LO: Design a circuit to light a bulb.



Activity 2: Make a circuit and draw in to your book.

Wire 	cell 	switch 	bulb
Buzzer 	<del></del>	battery 	Motor

