

# Simple Circuits

Free Printable Worksheets



For  
8-12  
year olds



Flintobox™

# Index

## Activity Name

Circle The Electrical Items

Word Maze!

Conductors & Insulators

Decode The Jumbled Words

## Skills Acquired

Logical Reasoning, Observation, Play

Knowledge, Visual Tracking

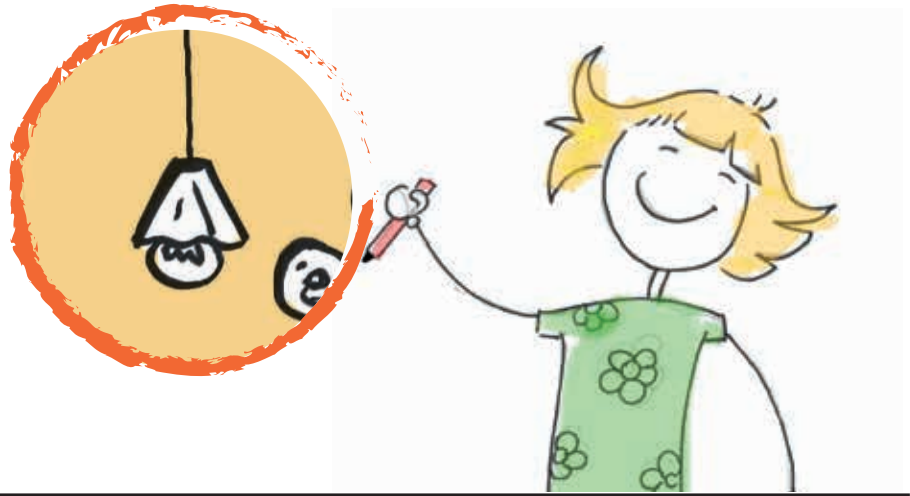
Cognitive, Application, Synthesizing

Visual Association, Cognitive, Logic



# Circle The Electrical Items

This room has many, many things. Some of them need electricity to work. Circle those things.



## How this activity helps?

You will learn to differentiate electrical items from others.  
Your observation skills get sharper.

# Word Maze!

Read these sentences and try to fill in the blanks.  
The answers are hidden inside the word maze.

- A \_\_\_\_\_ is a closed loop that allows electrons to pass through.  
 A circuit will only work if it is \_\_\_\_\_.  
 \_\_\_\_\_ are things that allow heat and electricity to easily pass through them.  
 A \_\_\_\_\_ and a closed circuit is needed for \_\_\_\_\_ to flow.  
 A \_\_\_\_\_ allows to turn the electricity on or off.

C	L	O	S	E	D
I	P	P	C	L	O
R	O	P	O	E	L
C	W	O	N	C	P
U	E	E	D	T	H
I	R	S	U	R	I
T	S	X	C	I	N
A	U	B	T	C	H
S	P	Z	O	I	O
A	P	B	R	T	E
O	L	D	S	Y	U
H	Y	Y	E	R	O
S	W	I	T	C	H

Answers:  
Circuit, closed, conductors, power supply / electricity, switch

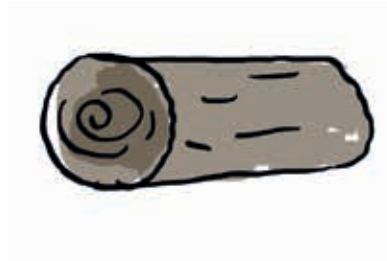
## How this activity helps?

Your problem solving skills sharpen and you also gain new knowledge.

# Conductors & Insulators

Materials that let electricity pass through them are called conductors and materials that readily do not allow electricity to pass are called insulators.

In this sheet, there are pictures of conductors and insulators, look at them closely and write 'C' for conductors and 'I' for insulators below the objects.



How this activity helps?

You understand the difference between conductors and insulators.

# Decode The Jumbled Words

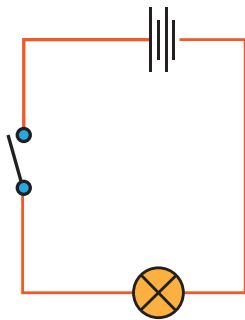
Unscramble the jumbled word...! Pssst, there are illustrations for each one to help you decode the words.

Try to play a game of spell bee after you solve this activity.



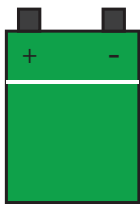
omthsa vlaa sondei

.....



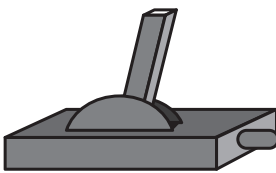
tuiccir

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eryattb

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twisch

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citytrielec

.....

**How this activity helps?**  
Your language and vocabulary improves.

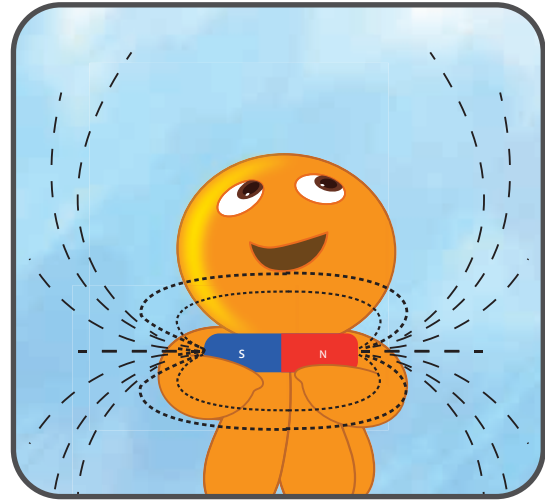
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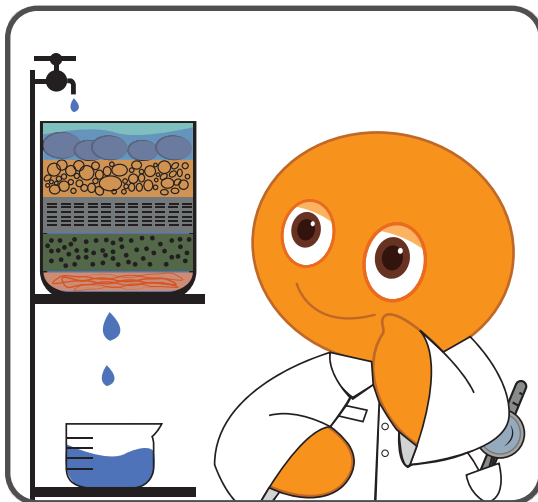
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