

## Science 1 - Tuesday 9th February 2021

WALT: Identify common appliances that run on electricity

Useful clips to help you find the answers to the questions:

<https://www.bbc.co.uk/bitesize/topics/z2882hv/articles/zcwnv9q>

<https://youtube.be/0zif9wvqrx0>

<https://www.bbc.co.uk/teach/class-clips-video/primary-science-how-is-electricity-made/zfhfgwrx>

Complete the following tasks in your Home Learning Book.

**Task 1** - Write a definition of what electricity is and give some examples of some household electrical items you use on a daily basis.

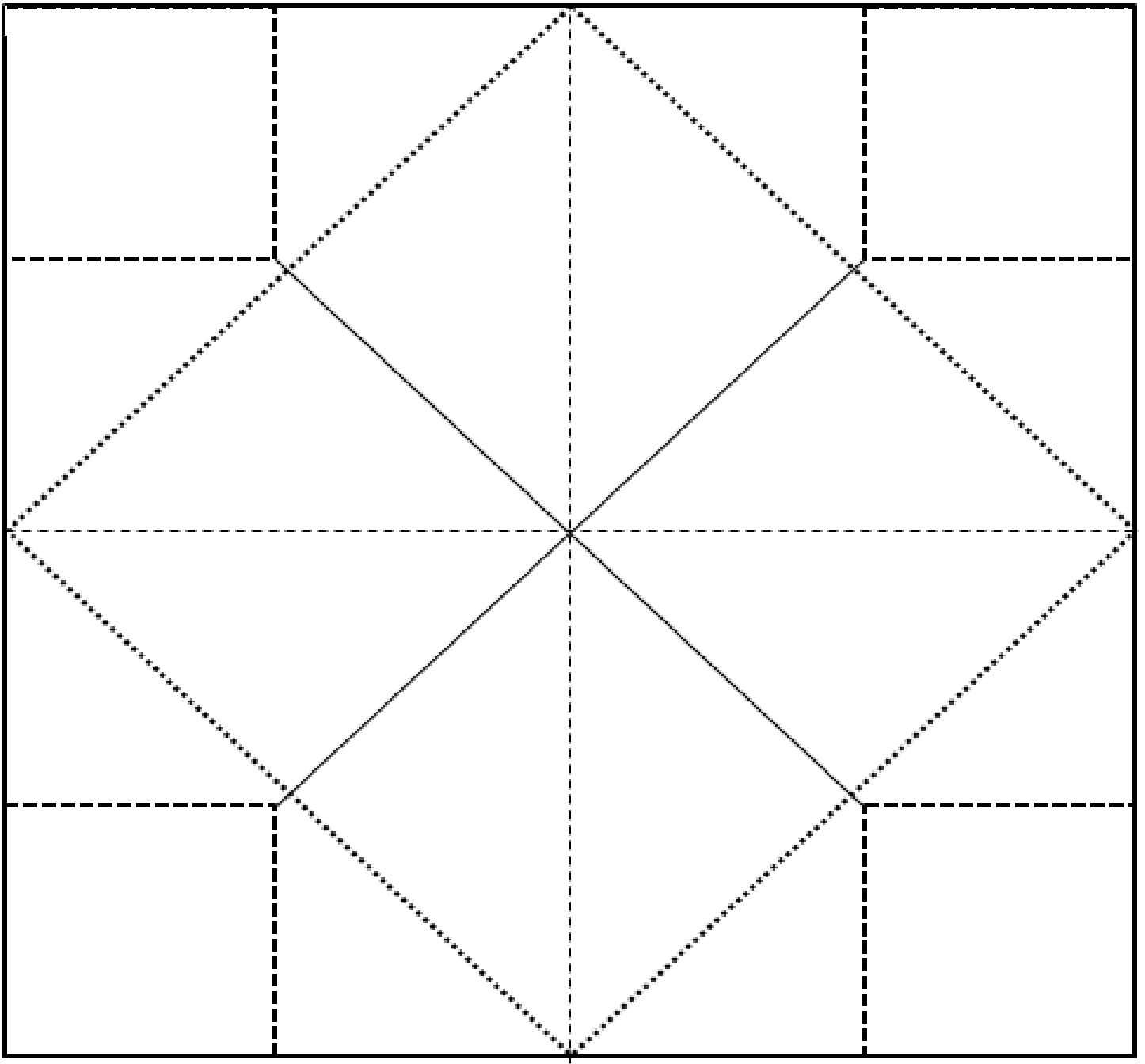
**Task 2** - Use your knowledge/research to find the answers to these questions:

- What is electricity?
- Where is electricity made?
- What is used to make electricity?
- What are the natural sources that create electricity?

**Task 3** - Create an electricity chatterbox using the template to help you.

Then have fun testing not only your knowledge but everyone in your household

<div>Title</div>	<div>Question 1</div>	<div>Question 2</div>	<div>Title</div>
<div>Answer 1</div>	<div>Answer 2</div>		
<div>Question 8</div>			<div>Question 5</div>
<div>Answer 8</div>			<div>Answer 5</div>
<div>Answer 7</div>			<div>Answer 6</div>
<div>Question 7</div>			<div>Question 6</div>
<div>Title</div>	<div>Answer 4</div>	<div>Answer 3</div>	<div>Title</div>
<div>Question 4</div>		<div>Question 3</div>	


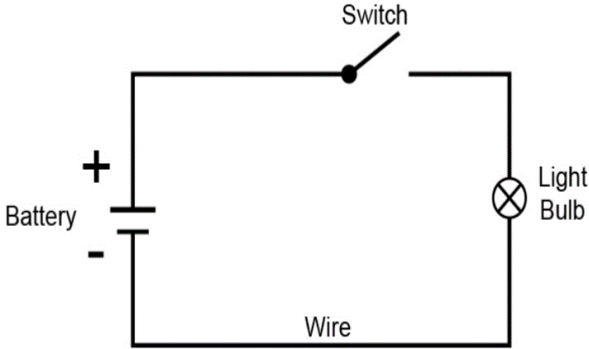




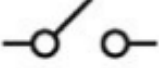



**Instructions:**

1. Write the questions and answers to task 2 in the correct place on the template as shown on the image under the task 3 title.
2. Cut out the black square
3. Fold the square in half lengthways and across the middle.
4. Turn the square over so the writing is facing down. Fold the four corners into the middle.
5. Turn the square over again and fold the new four corners into the middle.
6. Fold in half so the questions face in
7. Put your fingers in the pockets and text your knowledge.

## Electricity - investigation

WALT: Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.

Word/symbol bank	A simple circuit
 Battery	 Switch
 Wire	
 Bulb	
 Buzzer	Light Bulb
 Motor	
 Switch (off)	
 Switch (on)	Wire

A circuit always has a battery (cell) but it can also contain other electrical components, such as bulbs, buzzers and motors.

When drawing circuit diagrams, rather than drawing detailed components, we use simple symbols to represent the different components.

How to draw symbols in a circuit:

<https://www.bbc.co.uk/bitesize/topics/zq99q6f/articles/zs7g4j6>

Task 1 - In your home learning journal can you draw yourself an open and a closed circuit, using the symbols above instead of detailed drawings. Use a ruler to make sure your circuits are clear.

Task 2:

- 1) Follow this link <http://www.learningcircuits.co.uk/index.html>
- 2) Click on Keep Learning
- 3) Enter your name then choose a character.
- 4) Work through the fun activities
- 5) Complete the quiz to see how well you have done.
- 6) Let your teacher know how well you did.