Word Whizz

Activity Book p.81

Fill in the blanks. Use the following words.

break	brighter	cell	closed	conductor
insulators	plastic	switches		

1 Electric current can flow through a closed circuit.

2 A lamp will not light up if there is a break in the circuit.

3 Most electrical devices have switches to turn the electricity on and off.

4 A lamp will be brighter if you add another cell in the circuit.

5 A lamp in a circuit with shorter wires will be brighter than a lamp in a circuit with longer wires.

Activity Book p.81

6 Copper is usually used to make wires because it is a good electric conductor.

7 Good electric insulators do not allow electricity to pass through easily.

8 We use plastic to cover wires so we do not get electric shocks.

Let's Map It!

Activity Book p.82

Fill in the blanks. Use the following words.

brighter cells closed conductors dimmer
insulators lamps length more open switch wires

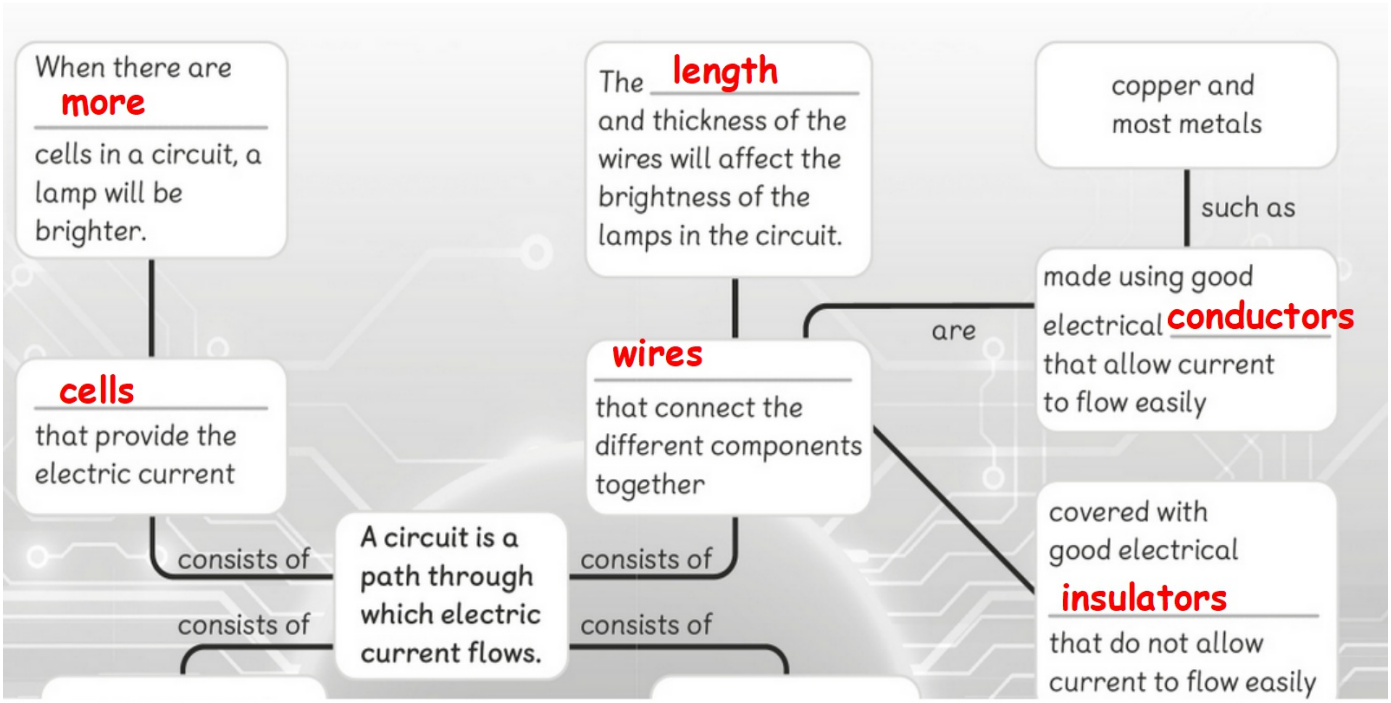
lesson recap:

1. more cells/ batteries => more electric current = brighter lamps
   less cells => less electric current => dimmer lamps

2. more lamps => less electric current => dimmer lamps
   less lamps => more electric current => brighter lamps

3. short wires=> more electric current => brighter lamps
long wires (more distance) => less electric current => dimmer lamps

Activity Book p.82



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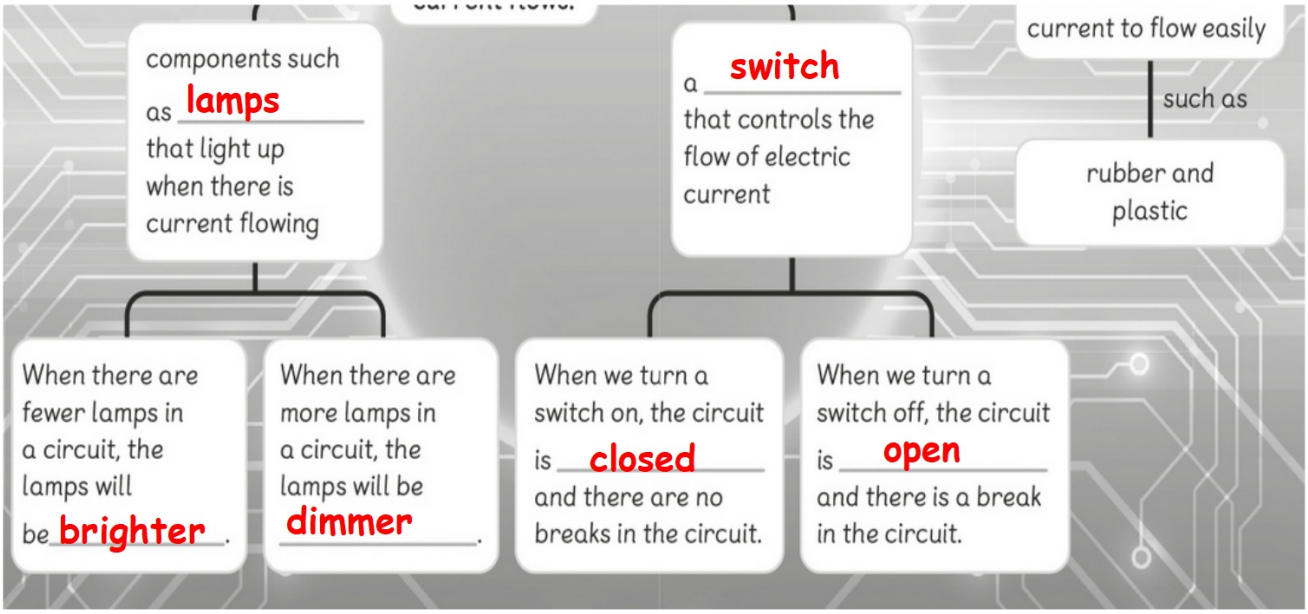
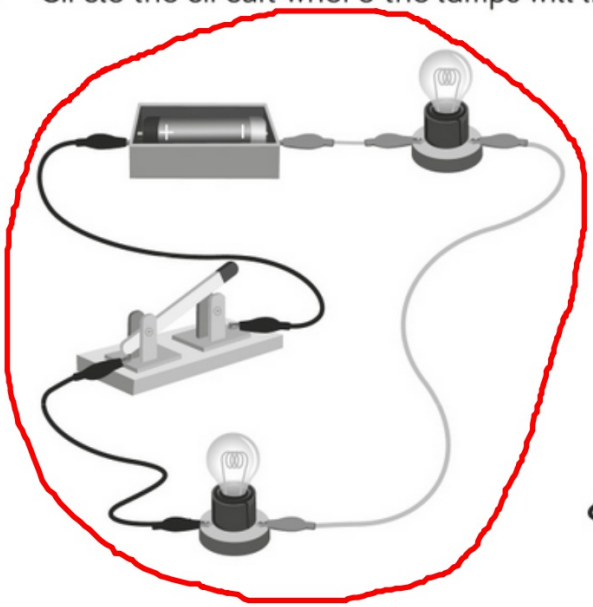
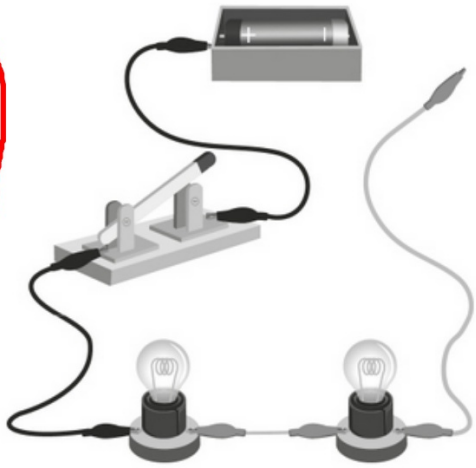


Let's Review

Activity Book p.83

I Circle the circuit where the lamps will light up when the switch is closed.





Activity Book p.83

2 Which of the following materials are good electrical conductors?

Tick (✓) the **three** correct answers.

- [x] aluminium
- [x] copper
- [ ] cotton
- [ ] plastic
- [ ] rubber
- [x] zinc

Activity Book p.84

3 What does an electrician need to wear to prevent electric shocks when doing repair work?

Circle the correct answer.

straw hat

rubber boots

gold bangle

sunglasses

Activity Book p.84

4 Peili wants to find if the number of cells in a circuit will affect the brightness of the lamp.

Fill in the table below so that she can identify the variables to conduct a fair test.

Change	The number of cells
Measure	The brightness of the lamp
Keep the same	The number of lamps The length of wires