

Science Assessment 2b A

1. Complete these sentences to make them correct: Use the words from the word bank!

battery	circuit	wires
bulb	electrical device	cell
electricity	switch	

- a) An electrical circuit needs a _____ to provide the power.
- b) The _____ carry the electrical power around the circuit.
- c) _____ travels around a complete circuit.
- d) If the circuit is not connected properly, the _____ will not light up.
- e) A toaster or kettle is an example of an _____.
- f) Another name for a cell is a _____.
- g) A _____ can be used to turn the electricity off in a circuit.

2. There should be a word left over. Write it here: _____.

a) Write here what the word means, and what it is used for: _____

3. Draw a **complete** circuit (one that would work) here. Label it.

4. Draw an **incomplete** circuit here. Explain why it doesn't work:



5. What is a conductor? _____

6. List 3 materials that are conductors: _____

7. What is an insulator? _____

8. List 3 materials that are insulators: _____

9. Why do we use batteries to power our circuits in school? _____

10. John builds a complete circuit but the bulb does not light up. List 3 things that could be wrong.

a) _____

b) _____

c) _____

11. Susan does not want the cell in her circuit to run out of power. What could she do? _____

12. Frankie builds a circuit but wants his bulb to be brighter. What could he do? _____

13. List 3 dangers of electricity in your home.

a) _____

b) _____

c) _____

14. List 2 electrical devices that use mains power: _____

15. List 2 electrical devices that use cell power: _____

16. Design a simple poster to warn of the dangers of electricity in the home.

Use **one** of the answers from number 13.



End of Test

Science Assessment 2b B

1. Complete these sentences to make them correct: Use the words from the word bank!

battery	circuit	wires
bulb	cell	switch
electrical device	electricity	

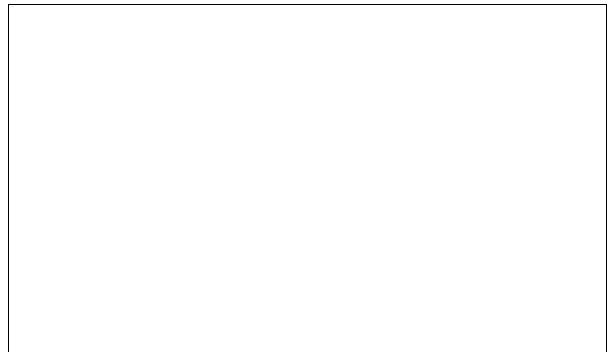
- a) An electrical circuit needs a _____ to provide the power.
- b) The _____ carry the electrical power around the circuit.
- h) _____ travels around a complete circuit.
- i) If the circuit is not connected properly, the _____ will not light up.
- j) A toaster or kettle is an example of an _____.
- k) Another name for a cell is a _____.
- l) A _____ can be used to turn the electricity off in a circuit.

2. There should be a word left over. Write it here: _____.

a) Write here what the word means, and what it is used for: _____

3. Draw a **complete** circuit (one that would work) here. Label it.

4. Draw an **incomplete** circuit here. Explain why it doesn't work:



5. What is a conductor? _____

6. List 3 materials that are conductors: _____

7. What is an insulator? _____

8. List 3 materials that are insulators: _____

9. Why do we use batteries to power our circuits in school? _____

16. John builds a complete circuit but the bulb does not light up. List 3 things that could be wrong.

a) _____

b) _____

c) _____

17. Susan does not want the cell in her circuit to run out of power. What could she do? _____

18. List 2 dangers of electricity in your home.

a) _____

b) _____

19. List 2 electrical devices that use mains power: _____

20. List 2 electrical devices that use cell power: _____

15. Design a simple poster to warn of the dangers of electricity in the home.

Use **one** of the answers from number 12.



End of Test

Science Assessment 2b C

1. Complete these sentences to make them correct: Use the words from the word bank!

cell	battery	wires
bulb	electricity	

- a) A circuit needs a _____ to provide the power.
- b) The _____ carry the electrical power around the circuit.
- m) _____ travels around a complete circuit.
- n) If the circuit is not connected properly, the _____ will not light up.
- o) Another name for a cell is a _____.

3. Draw a **complete** circuit (one that would work) here. Label it.

4. Draw an **incomplete** circuit here. Label why it doesn't work:

5. What is a conductor? _____

6. List 2 materials that are conductors: _____

7. What is an insulator? _____

8. List 2 materials that are insulators: _____

9. Why do we use batteries to power our circuits in school? _____

21. List 2 dangers of electricity in your home.

a) _____

b) _____

22. List 2 electrical devices that use mains power: _____

23. List 2 electrical devices that use cell power: _____

15. Design a simple poster to show the dangers of electricity in the home.

Use **one** of the answers from number 10.



End of Test