

Q1: Answer the following questions?

- a) What is a circuit?
- b) Where does the power for a circuit come from?
- c) What travels around the circuit?
- d) Explain what would affect the brightness of a bulb.
- e) Draw a circuit that will work.
- f) Draw a circuit that will not work.

Q2: Complete each sentence below by writing one correct letter in each box. (Use a letter only once).

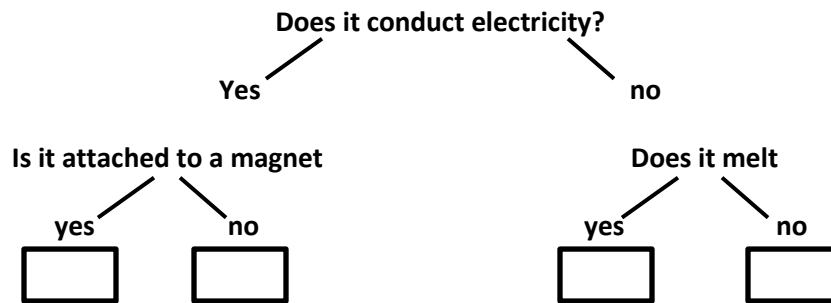
- A- an electric insulator
 - B- transparent
 - C-absorbent
- D- an electric conductor
 - E- water proof

- i) slate is used for roofs because it is
- ii) glass is used for windows because it is
- iii) plastic is used for the outside of the electric cable because it is

Q3: Complete the key by writing wood, steel, aluminum paper and wax in the correct answer boxes at the bottom of the key.

Use each word once

You may put more than one word in an answer box



Q4: Does each object conduct electricity. Write yes or no in each row of the table.

Object s:	Wooden ruler	Steel scissor	Sheet of paper	Rubber	Brass pin
Does the object conduct electricity	_____	_____	_____	_____	_____

Q5: Explain the following:

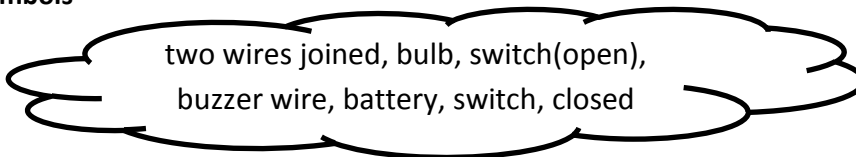
- Can dirty water conduct electricity
- What could cause a bulb to burnout
- Is Copper a conductor or an insulator.

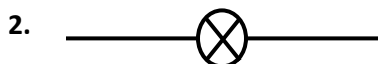
Q6: Can you think of the work we would not be able to do without using electricity write some of them below:

1. _____
2. _____
3. _____

4. _____
5. _____
6. _____

Q7: Identify the circuit symbols















Q8: Give numbers to all the elements in order to show the journey of electricity.

_____ substation

_____ overhead lines and underground cables

_____ power stations

_____ pylons and cables

_____ street lamp and houses

Q9: Explain why these activities could cause accidents.

- Pulling out the plug of an appliance without switching it off first.
- Some one climbing a tree near an overhead line.
- Fishing near an overhead line.

Q10: List appliances that use main electricity or batteries and those that could are either.

lamp, burglar alarm, kettle, TV, toaster, remote control, wall clock, torch

Mains	Batteries	either