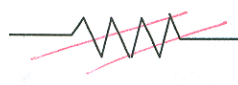


Part 6 – Electricity (Value - 18)

Complete this part in your exam booklet. Use complete sentences for written responses.

1. What is the study of static electricity called? (1) *It is called electrostatics.*
2. What are the two types of electrical charge? (2) *+ve and -ve.*
3. Name three ways to charge objects and explain one of them. (4) *rubbing, conduction + induction.*
4. What are the four basic components of an electric circuit? (4) *battery, wire, load, switch.*
5. How do conductors and insulators differ? (1) *Conductors allow energy to flow through them and insulators do not.*
6. a) Using the symbols below, draw a circuit diagram illustrating two bulbs in parallel so that both bulbs are lit. (4)



- b) On the circuit diagram you drew, add a wire to create a short circuit. (1)

7. Imagine you have two bulbs in series in a closed circuit. What happens if you unscrew one of the bulbs? (1)

If you unscrew one, the other will go out.

