



Name: Form:

See pages 14 and 15 of *Changing circuits*

What circuits can do

Electricity can do much more than just make bulbs light. It can work other components, make heat and magnetism and even cause liquids to change.

Q1. In the space draw a picture of a circuit with two 1.5V batteries, a switch, a buzzer and a light bulb connected in parallel.

Q2. What device allows electricity to cause movement?



Q3. What happens to a compass when a wire is wrapped round it and the electricity is run through the wire? Explain your answer.







Q4. How could you make a current of electricity pick up paperclips?





Q5. How can you tell when electricity passes through salty water?



Q6. (i) What would happen if you dipped a copper strip and a key into salty water and passed a current of electricity through them?



(ii) Which terminal of the battery must the copper be connected to for this change to happen? 