

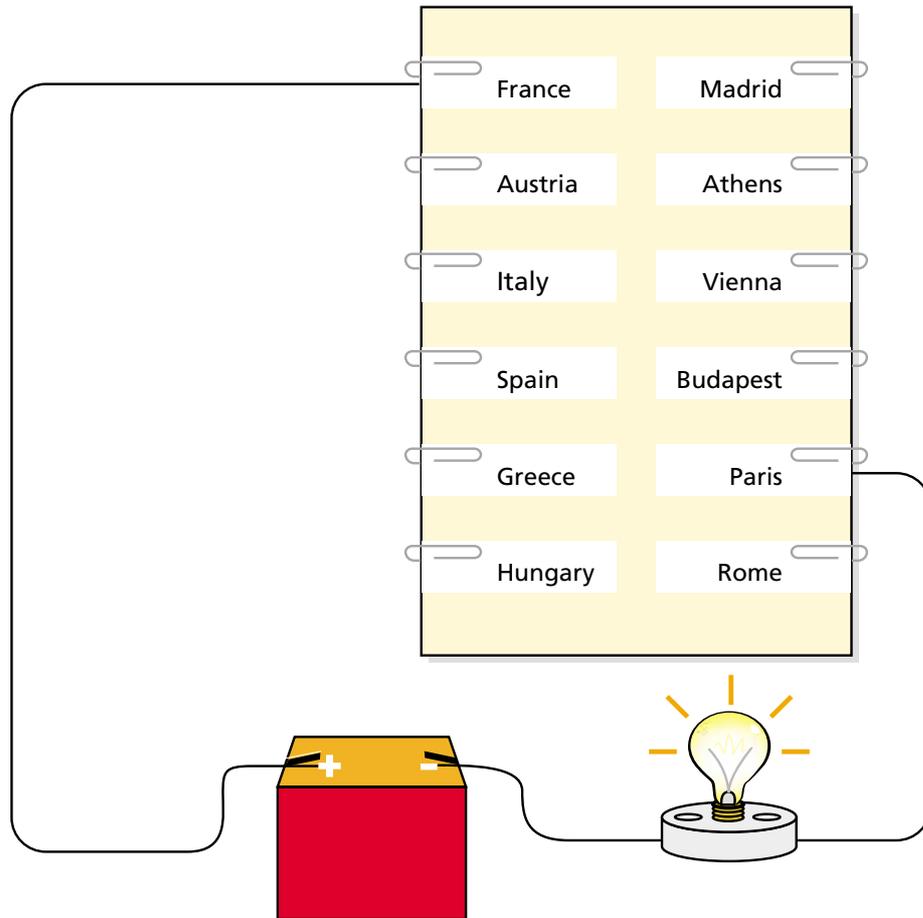


Make an electric Quiz

EQUIPMENT	Cardboard (cornflake packet will do), Battery and bulb (in the range 1.5 to 3 volts), Bulb-holder, Connecting wires, Metal paper clips or paper fasteners (split pins), Paper, Scissors, Glue or Pritt.
PREPARATION	Collect materials, prepare wires.
BACKGROUND INFORMATION	Electricity will only flow when there is a <u>complete circuit</u> . The correct answer is connected, behind the cardboard, to the question; so if the correct answer is touched on the front of the cardboard the bulb will light up. If the wrong answer is touched the bulb will not light up, as there will not be a complete circuit.
SKILLS	Handling of electrical components Investigating and experimenting Making
ACTIVITY	<p>Make a quiz game with a light that flashes to show the right answer.</p> <p><i>Making the Quiz Board:</i> On one side of the card, glue or tape some pieces of paper with the questions (or names of countries or football teams or whatever the children suggest) on the left, and the answers (or corresponding capital cities or football players, etc) on the right. Muddle them up so that each question is next to a wrong answer. Attach a paper clip to each question and answer. Turn the cardboard over and connect each question up to the right answer with a piece of wire, looping the wire round the paper clip, making sure there is a connection. With some more wire, join the battery to the bulb-holder as shown in the diagram. Join some more wire to the other side of the battery and the other side of the bulb-holder. Leave the ends of both these wires free.</p> <p><i>Playing the Game:</i> Ask a friend to touch one of the paper clips next to a question and the other loose wire to the paper clip next to the answer which he/she thinks is the right one. If the answer is correct, the circuit will be complete and so the bulb will light up.</p>
SAFETY	Care with batteries and wires.
FOLLOW-UP ACTIVITIES	This activity can be done with a buzzer also (in this case the red wire attached to the buzzer must be connected to the positive terminal of the battery).

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Front of Card



Back of Card

Join each country to its capital city with wires

