

KS1 Science Quiz - Energy - Lights, Electricity and Heating (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Science for children aged 5 and 6 in years 1 and 2. Specifically this quiz is aimed at the section dealing with lights, electricity, heating and energy at home.

How do things work around your home and in your school? A lot of energy is needed to heat your home. In winter a lot of energy is needed to heat your school and keep it warm. Electricity is needed to keep the lights working - in your home, in your school, and even the lights in your street run on electricity. Where does the energy come from?

1. This torch has batteries. The batteries store



- Light
- Electricity
- Food
- Bulbs

2. Energy is needed to warm things up. But energy is also needed to keep things cool.

Freddie is looking in the fridge. What makes the fridge work?



- Water
- Ice
- Snow
- Electricity

3. What do you press to turn on the light?



- A handle
- A key
- A switch
- A tap

4. When it is dark, you turn the lights on. What powers the lights?



- Gas
- Candles
- Electricity
- Petrol

5. How do you keep your home warm? Many houses and flats have a boiler and radiators. This is called _____.



- Outside heating
- Central heating
- Inside heating
- Slow heating

6. This family is watching television. What makes the television work?



- Gas
- Oil
- Electricity
- Plastic

7. These are pans on a cooker. What does this cooker use to heat the food?



- Gas
- Electricity
- Wood
- Food

8. What needs to be heated up so you can take a shower?



- Soap
- Shampoo
- Water
- Toothpaste

9. What is glowing inside the light?



- A candle
- A bulb
- A mirror
- A window

10. What is lighting up this house?



- Windows
- Mirrors
- Electricity
- Candles

KS1 Science Quiz - Energy - Lights, Electricity and Heating (Answers)

1. This torch has batteries. The batteries store



- Light
- Electricity
- Food
- Bulbs

Some batteries are rechargeable

2. Energy is needed to warm things up. But energy is also needed to keep things cool.

Freddie is looking in the fridge. What makes the fridge work?



- Water
- Ice
- Snow
- Electricity

Freezers also use electricity

3. What do you press to turn on the light?



- A handle
- A key
- A switch
- A tap

The switch turns the light on. It also can turn the light off

4. When it is dark, you turn the lights on. What powers the lights?



- Gas
- Candles
- Electricity
- Petrol

What would it be like if it was dark all the time?

Education Quizzes

5. How do you keep your home warm? Many houses and flats have a boiler and radiators. This is called



- Outside heating
- Central heating
- Inside heating
- Slow heating

The boiler is powered by gas or oil. Some houses use electricity for heating instead

6. This family is watching television. What makes the television work?



- Gas
- Oil
- Electricity
- Plastic

Lots of things in your home are powered by electricity

7. These are pans on a cooker. What does this cooker use to heat the food?



- Gas
- Electricity
- Wood
- Food

This is a gas cooker. Some cookers use electricity

8. What needs to be heated up so you can take a shower?



- Soap
- Shampoo
- Water
- Toothpaste

Water has to be heated in your home and at school. Then the water is warm when you turn on the hot tap

9. What is glowing inside the light?



- A candle
- A bulb
- A mirror
- A window

Bulbs turn electricity into light

10. What is lighting up this house?



- Windows
- Mirrors
- Electricity
- Candles

Electricity travels round the house in wires