

On your answer sheet, write in or circle the correct letter for each question.

71a

- 1 We get the energy that our bodies need from energy stored in:
 - A food.
 - B water.
 - C warm clothes.
 - D hot baths.
- 2 The units for measuring energy are:
 - A horsepower.
 - B degrees.
 - C joules.
 - D newtons.
- 3 People who dig holes in the road need a lot of energy stored in their food because:
 - A they have long tea breaks.
 - B they always forget their sandwiches.
 - C they sometimes have to work in the rain.
 - D they transfer a lot of energy while they work.
- 4 You can find out how much energy is in a peanut by:
 - A burning it, and seeing how hot it makes a test tube of water.
 - B eating it, and seeing how full you feel.
 - C weighing it.
 - D seeing what colour it is.

71b

- 1 How do we describe the way that energy is stored in batteries and food?
 - A kinetic energy
 - B chemical energy
 - C thermal energy
 - D potential energy
- 2 Which of these is *not* a way of transferring energy?
 - A light
 - B forces
 - C heating
 - D strain

- 3 Which two stores is energy transferred between when you heat a pan of water on a gas cooker?
 - A thermal to chemical
 - B electrical to thermal
 - C chemical to thermal
 - D kinetic to strain
- 4 A stretched bow is a store of energy (strain energy). What happens to the energy when the arrow is fired?
 - A Forces transfer the energy to kinetic energy in the arrow.
 - B Energy is stored as chemical energy.
 - C Movement energy is transferred to sound energy.
 - D Force energy is transferred by movement.

71c

- 1 Fossil fuels are formed from:
 - A water.
 - B electricity.
 - C dead plants and animals.
 - D rocks.
- 2 Fossil fuels are non-renewable fuels because:
 - A they give out heat when they burn.
 - B they were formed from fossils.
 - C they are expensive.
 - D they cannot be replaced once they are burnt.
- 3 Electricity is not a fuel because:
 - A it has to be generated using other energy resources.
 - B it is easy to switch on and off.
 - C it cannot be used to make cars run.
 - D it can burn you.

- 4 A biofuel is:
- A non-renewable.
 - B any fuel made from plant or animal material.
 - C a fuel made from plant material only.
 - D a fuel made from animal material only.

7Id

- 1 Which statement is true?
- A Renewable energy resources will run out one day.
 - B Renewable energy resources will not run out.
 - C Non-renewable energy resources will not run out.
 - D None of our energy resources will run out.
- 2 Which renewable resources are available at any time?
- A hydroelectricity and geothermal
 - B solar and wind
 - C tidal and wave
 - D biofuels and solar energy
- 3 Which statement is true?
- A Coal has energy stored in it because it is black.
 - B Fossil fuels have energy stored in them because the animals that became fossils ran around a lot.
 - C Coal has energy stored in it because it is warm inside the Earth.
 - D The plants that formed coal got their energy from the Sun.
- 4 Which of these energy resources does not originally come from the Sun?
- A wind energy
 - B solar power
 - C fossil fuels
 - D geothermal energy

7Ie

- 1 Which of the following is *not* true?
- A Energy can be transferred to heat things.
 - B Energy can be destroyed.
 - C Energy is stored in fossil fuels.
 - D Energy can be stored.
- 2 Why do we need to burn fewer fossil fuels?
- A Burning fossil fuels is contributing to climate change.
 - B Electricity is running out.
 - C To pay for new cars.
 - D Energy is cheap.
- 3 How could we use less fuel for heating our homes?
- A Keep the house warmer and open the windows.
 - B Keep the house cooler and wear a jumper.
 - C Make sure we leave the heating on when we are out.
 - D Turn the heat up at night, so we don't need blankets on the bed.
- 4 Which of these is not a problem with using energy resources?
- A Burning fossil fuels releases carbon dioxide into the atmosphere.
 - B Wind turbines do not produce carbon dioxide.
 - C Solar energy is not available during the night.
 - D Nuclear fuel gives off dangerous radiation.