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Answer **all** questions in the spaces provided.

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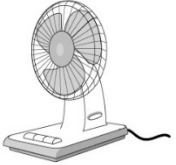

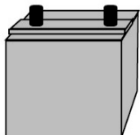
1. The left-hand column shows some electrical devices.

The right-hand column shows some types of energy.

Draw **one** line from each electrical device to the type of energy that it is designed to produce.

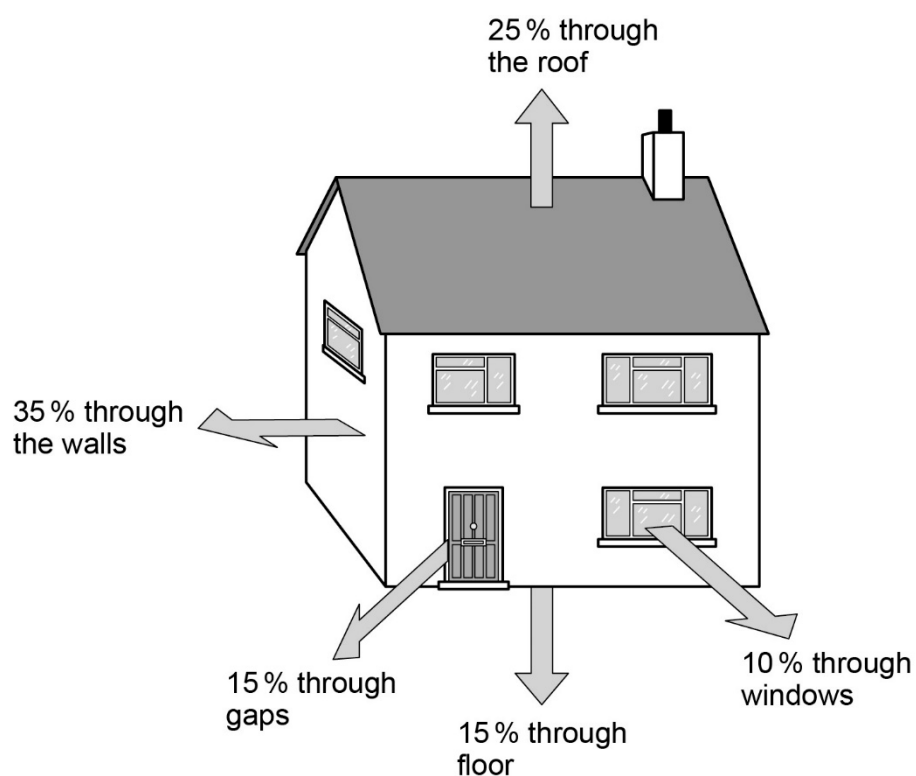
We have done one to help you.

[3 marks]  
Outcome 1

Electrical device	Type of energy
Toaster 	kinetic (movement)
Fan 	thermal
MP3 player 	electrical
Storage battery 	sound

A line is drawn from the 'Storage battery' box to the 'electrical' box.

2. The diagram shows some of the ways in which energy is lost from a house.



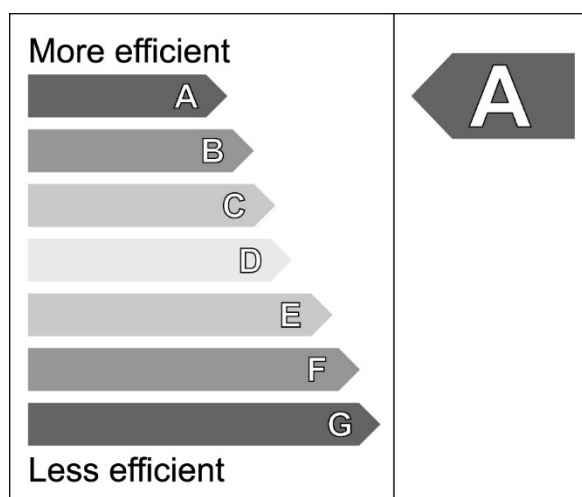
Write down **one** way you could reduce the rate of energy loss.

[1 mark]  
Outcome 2

.....

**Turn over for the next question**

3. The diagram shows a label from a washing machine.



This washing machine has an efficiency rating of **A**.

How would a washing machine with an efficiency rating of **G** compare with this one?

**[1 mark]**  
**Outcome 2**

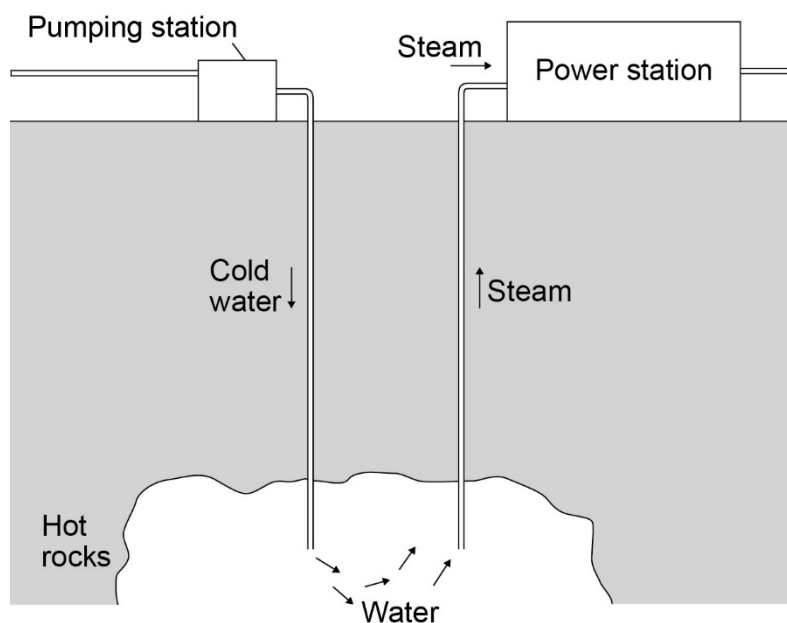
Tick (✓) **one** box.

Washing machine **G** would cost less to run.

Washing machine **G** would not get the clothes as clean.

Washing machine **G** would waste more energy.

4. The diagram shows a type of power station.



What type of energy resource is this?

Draw a ring around the correct answer.

[1 mark]  
Outcome 3

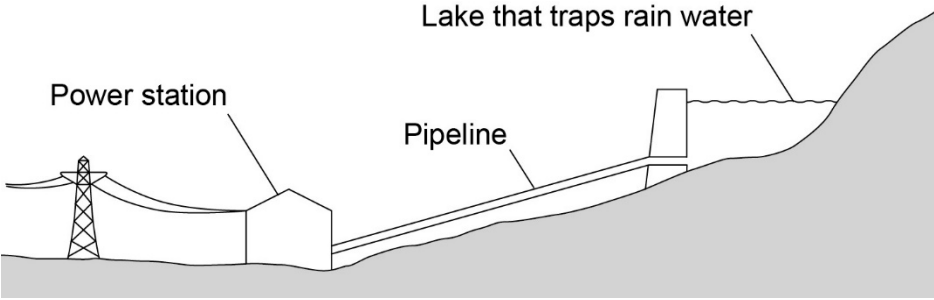
**geothermal**

**hydro-electric**

**tidal**

**Turn over for the next question**

5. The diagram shows another way of generating electricity.



Read the passage below about this way of generating electricity.

Use the correct words from the box to complete the sentences.

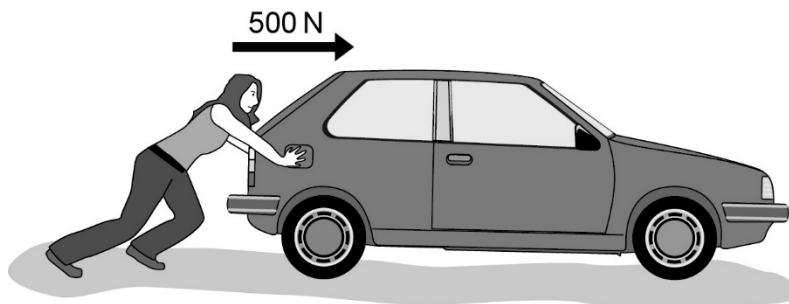
**[3 marks]**  
**Outcome 3**

<b>generator</b>	<b>non-renewable</b>	<b>transformer</b>
<b>motor</b>	<b>renewable</b>	<b>turbine</b>

Water from the lake runs down the pipeline into the power station.

The energy from this drives a ..... which then turns the ..... . This is an example of a ..... energy supply.

6. A car has broken down and the driver is pushing it.



- (a) Use the correct word from the box to complete the sentence.

force	mass	power
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[1 mark]  
Outcome 4

The driver is using a ..... of 500 newtons.

- (b) Use the correct word from the box to complete the sentence.

energy	power	work
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[1 mark]  
Outcome 5

When the driver pushes against the force of friction, ..... is done.

**Turn over for the next question**