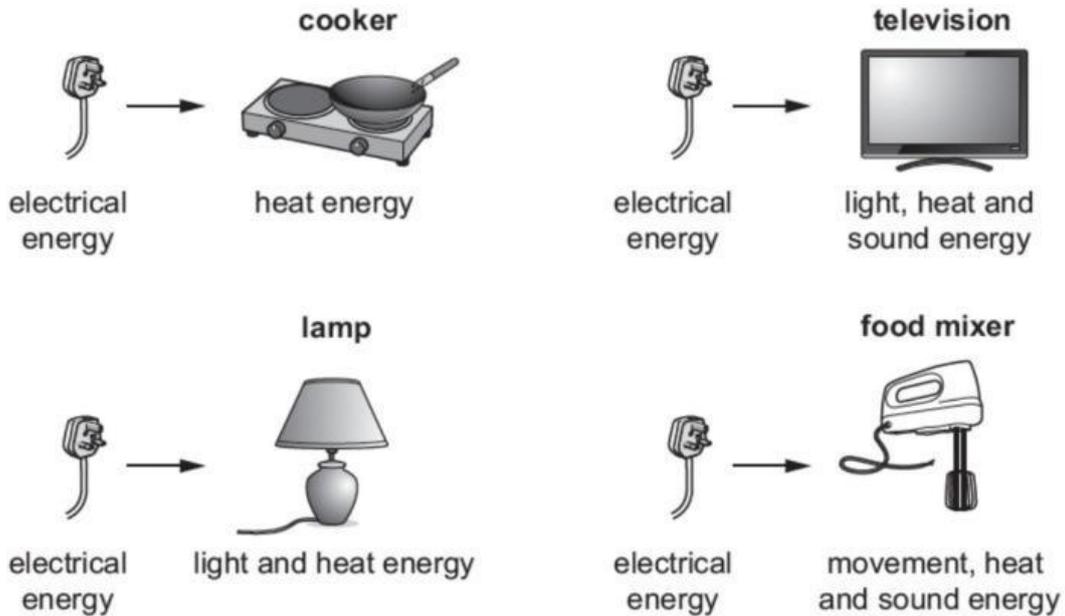


**Question 1.**

Objects in the home transfer electrical energy into other types of energy.

Look at the pictures.



(a) Which one type of energy do all four objects transfer electrical energy into?

.....

(b) Which object transfers electrical energy into movement energy?

.....

(c) Write down the name of one object not in the pictures that transfers electrical energy to sound energy.

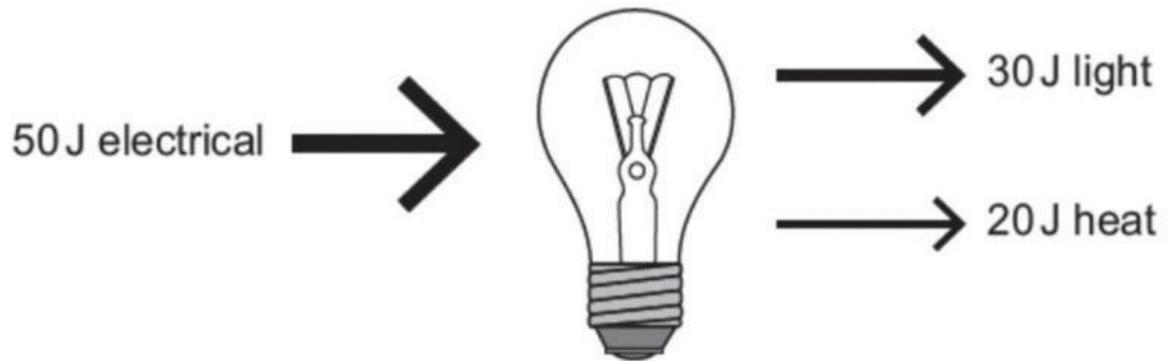
.....[1]

**Question 2.**

Energy is transferred from one object to another.

Some of the energy is also transferred to the surrounding environment.

This diagram is a model of these transfers in a lamp.



The bigger the size of the arrow the more energy is transferred.

Complete the model for the kettle using this information:

400 J electrical energy into the kettle 350 J comes out as heat

50J comes out as sound.

One arrow has been done for you.

[2]



**Question 3.**

This question is about energy.

(a) Which type of energy is transferred from a loud speaker to your ears?

..... [1]

(b) Which type of energy is transferred when an object cools down?

..... [1]

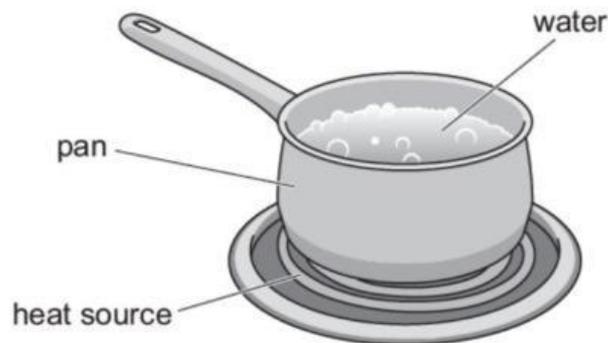
(c) Complete the sentence.

Energy cannot be .....lost, used up or

.....

**Question 4.**

Lily heats water in a pan.



Complete the sentence.

The heat is transferred from the heat source to the ..... and the .....