

> 2.2 Energy transfers

Focus

- 1 We can think of the way energy moves from one object to another object as an energy chain.

Here is an example of an energy chain for drying washing in the Sun:

the Sun → washing

Complete the energy chains for the energy transfers in the pictures.

a



_____ → _____

b



_____ → _____

c



_____ → _____

2.2 Energy transfers



Practice

- 2 Why does a block of ice melt if you hold it in your hand?

- 3 The picture shows a spinning top toy.

- a What form of energy makes the toy work?



- b How does the energy make the toy work?
Use the words 'energy' and 'transfer' in your answer.

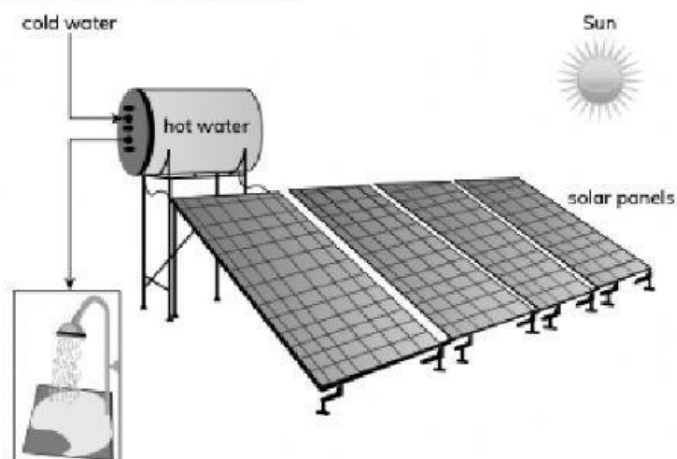
Movement energy

The heat energy from your hand is transferred to/moves to, the ice which makes the ice melt.

There is a transfer of movement energy from your hand the toy to make the toy move.

2 Energy

- 4 The picture shows a solar water heater.



Draw an energy chain to show the energy transfers that happen to heat the water.



Solar panel

water

sun