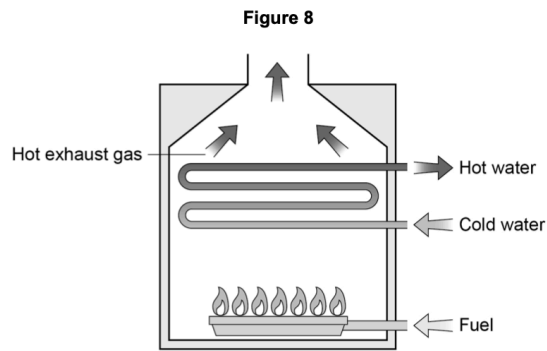


Q1. (2018)

0 5 . 3 Figure 8 shows the gas boiler used to heat the house.

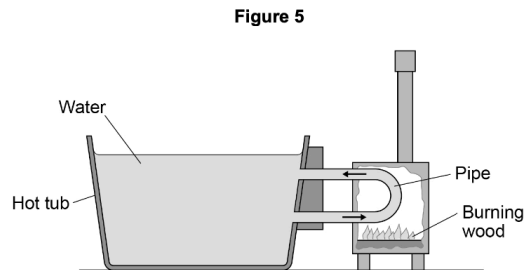


Describe how different energy stores are changed by the boiler.

[3 marks]

Q2. (2020)

0 4 Figure 5 shows a wood-fired hot tub.



0 4 . 3 Describe the change to the stores of energy of the wood, pipe and water as the water is heated.

[3 marks]

Wood _____

Pipe _____

Water _____

Q3. (2023)

0 5

Figure 10 shows a child's toy.

A child pushes down on the toy to compress the spring. The spring then launches the toy into the air.

Figure 10



0 5 . 3

When the spring launches the toy into the air, the temperature of the air increases.

Explain why the child's toy on its own is **not** a closed system.

[2 marks]

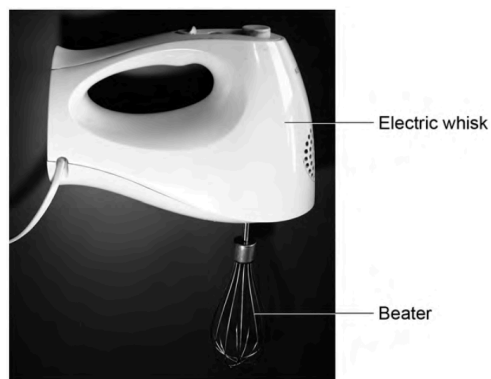
Q4. (2024)

0 1

Figure 1 shows an electric whisk that plugs into the mains electricity supply.

The whisk can mix food by spinning a beater.

Figure 1



0 1 . 1

Give **two** energy stores that increase when the whisk is switched on.

[2 marks]

- 1 _____
- 2 _____

Q5. (2024)

0 4

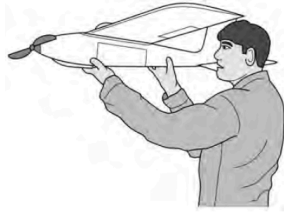
A drone is a miniature aircraft that has a remote control.

An inventor designed a battery powered drone.

The inventor tested what would happen if the battery runs out of charge during a flight.

Figure 5 shows the inventor about to launch the drone.

Figure 5



0 4 . 1

After the drone was launched, it moved at a constant speed and gained height.

The thermal stores of energy of the drone increased.

Describe **two** other changes to the energy stores of the drone as it moved at a constant speed and gained height.

[2 marks]

- 1 _____

- 2 _____
