



Use what you know about the heart to discuss why different animals have different sized hearts.

Useful information:

Both the orca and the mouse are mammals and they have four chambers in their hearts.

An average orca is about 7 metres long.

An average house mouse is about 11 centimetres long including its tail.



Use what you know about the heart to discuss why different animals have different sized hearts.

Useful information:

Both the orca and the mouse are mammals and they have four chambers in their hearts.

An average orca is about 7 metres long.

An average house mouse is about 11 centimetres long including its tail.

Reasoning Card ①

Use what you know about the heart to discuss why different animals have different sized hearts.

Useful information:

Both the orca and the mouse are mammals and they have four chambers in their hearts.

An average orca is about 7 metres long.

An average house mouse is about 11 centimetres long including its tail.

Example answer:

Answers should refer to the relative size of the animals mentioned and that the job of the heart is to pump blood all around the body. A larger animal will need a larger heart with stronger muscles to pump blood to the extremities as they are further away.

e.g. A large animal like a whale will have a large heart and a small animal like a mouse will have a small heart. The larger the animal, the larger the heart because the heart's job is to pump blood all around the body. A bigger body will need a larger heart with stronger muscles in order to push the blood far enough. The blood needs to reach all parts of the body to pass on oxygen to all of the organs and muscles in the body.