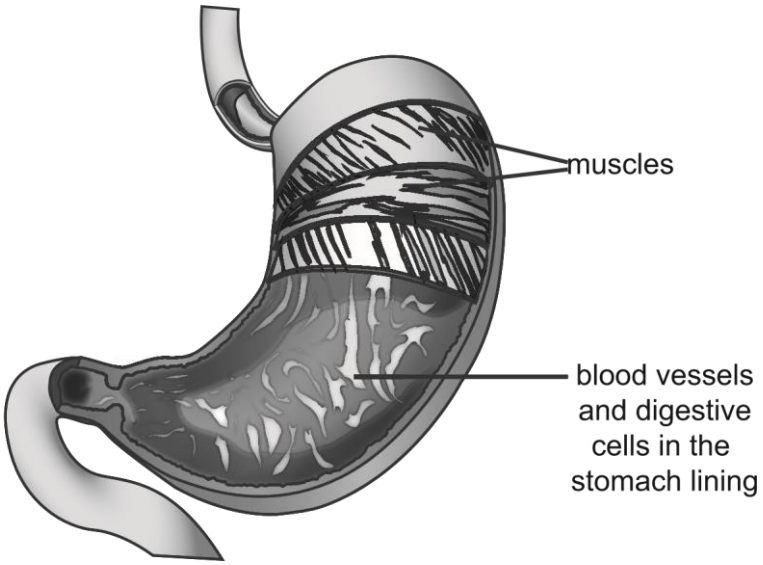
1 The diagram shows a human stomach.



(a) Which term best describes the stomach?

Circle the correct answer.

cell **organ** **organism** **system** **tissue**

Use information from the diagram to explain your answer.

.....

.....

[2]

(b) Red blood cells and muscle cells are found in the wall of the stomach.

(i) Explain how the structure of a red blood cell is related to its function.

.....

[2]

.....

(ii) Explain how the structure of a muscle cell is related to its function.

.....

[2]

.....

2 The diagram shows a black scabbard fish from the Atlantic Ocean.

This fish is adapted to live in very deep water where there is very little light.

(a) Describe how this fish is adapted to live where there is very little light.

[1]

.....

(b) The black scabbard fish is a fast moving predator.

(i) Suggest how the **colour** of this fish helps to make it a successful predator.

[1]

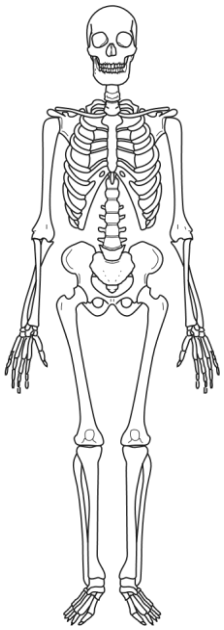
.....

(ii) Describe two **other** adaptations that suggest that this fish is a fast moving predator.

1 .....

2 .....

3 Look at the diagram of a human skeleton.



(a) Name the tissue which makes up the skeleton.

[1]

.....

(b) Give two **functions** of the skeleton.

1

.....

2

.....

4 (a) Class 9 have a quiz about our solar system.

Complete the answers.

Solar System Quiz

1. Mercury, Earth and Mars are three of the inner planets of our solar system.

What is the name of the **other** inner planet?

.....

2. The most distant planet from Earth **was** Pluto.

Pluto has **now** been classified as a dwarf planet instead of a planet.

What is the name of the **most** distant planet from Earth?

.....

3. What is the name of the object that all the planets in our solar system orbit?

.....

[2]

(b) Class 9 look at a photograph of the night sky.

A camera normally lets light into it for a second.

The camera that took this photograph let light into it for 30 minutes.

What objects in the night sky make the lines on the photograph?

.....

Explain why they look like lines.

.....