

READING ACTIVITIES (Answer key)

After reading the text, copy and answer the following questions into your notebook:

2.6. Answer these questions:

- a. Why do living beings need oxygen?

They need oxygen because they have to perform **cellular respiration** to obtain energy to stay alive.

- b. Why do sponges and jellyfish not have a respiratory system?

They do not need respiratory system because they are very simple and each cell can exchange O₂ and CO₂ with the environment directly.

- c. Why do Amphibians need to have cutaneous respiration if they have lungs?

It is because Amphibians' lungs are simple hollow sacs and their pulmonary respiration is very inefficient so that they complement it with cutaneous respiration.

2.7. List the characteristic that exchange gaseous surfaces have to have.**Why do they have them?**

The gas exchange surfaces have to have thin, moist and covered in blood vessels. It is because in this way, it is easier to take oxygen into the blood stream and to expel carbon dioxide out.

2.8. When there is a lack of oxygen, some aquatic Annelids stretch their bodies until they have almost twenty times their original size.

- a. What type of respiratory system do these worms have?

They have **cutaneous respiration**.

- b. What advantage do they obtain to stretch their bodies?

The advantage is that the gas exchange surface grows larger and the amount of gases that pass through it is larger too.