

Name _____ Class _____ Date _____

1 In which of the following does aerobic respiration occur? Tick (✓) the appropriate boxes.

- | | | | |
|-----------------------------------|-----------------------------------|-------------------------------|---|
| <input type="checkbox"/> human | <input type="checkbox"/> shark | <input type="checkbox"/> cat | <input type="checkbox"/> germinating seed |
| <input type="checkbox"/> oak tree | <input type="checkbox"/> goldfish | <input type="checkbox"/> fire | <input type="checkbox"/> moss |

2 a Sasha blew through a straw into some limewater. What happened to the limewater?

b Why did this happen?

3 a Thomas filled a jar with bean seeds. He placed a thermometer into the beans and added some water. What would he expect to happen after a few days? Tick (✓) *one* box.

- | | | |
|---|---|--|
| <input type="checkbox"/> The temperature increases. | <input type="checkbox"/> The temperature decreases. | <input type="checkbox"/> The temperature stays the same. |
|---|---|--|

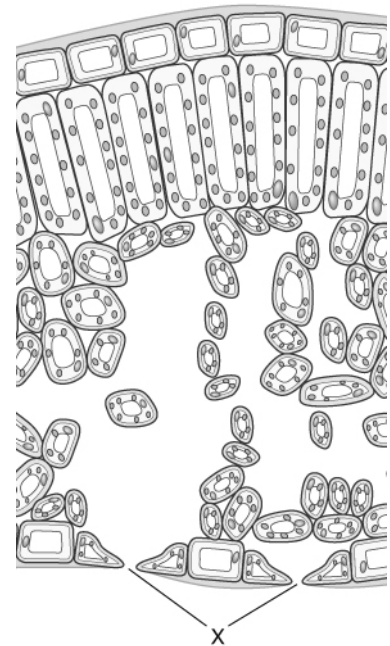
b Why would he expect this to happen? Tick (✓) *one* box.

- | | | |
|---|---|--|
| <input type="checkbox"/> The water cools the thermometer. | <input type="checkbox"/> Energy is released into the surroundings by respiration. | <input type="checkbox"/> The water evaporates. |
|---|---|--|

4 The drawing shows a leaf.

a Draw arrows to show the overall movement of carbon dioxide and oxygen into or out of the leaf if only respiration is occurring.

b What is the name of the part labelled X?



5 a Where do fish get oxygen from? _____

b What part of a fish is responsible for excreting carbon dioxide?

I can...

- recall how to detect aerobic respiration
- describe how gas exchange occurs in different organisms.