

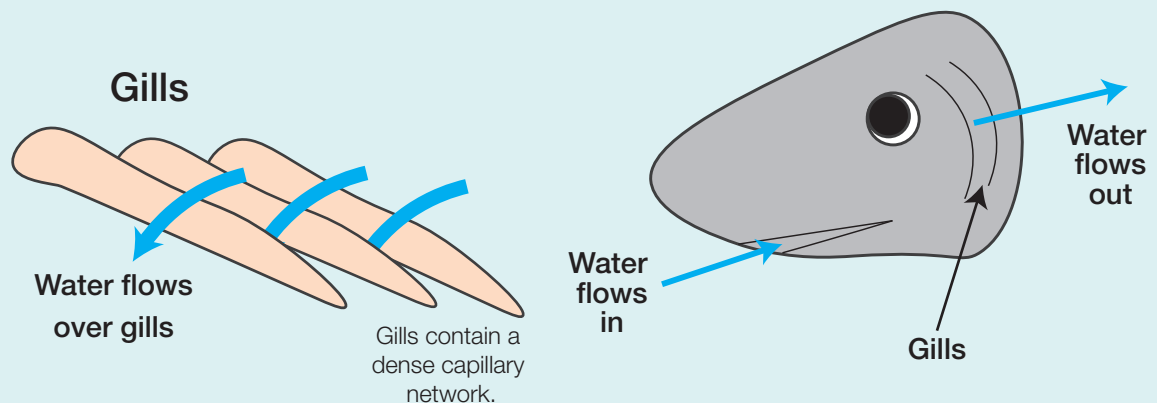
CELL BIOLOGY

WORKSHEET - EXCHANGE SURFACES (GILLS)



GILLS

Gas exchange between water and fish gills occurs when fresh water rich in oxygen flows into the mouth and flows out over the gills.



QUESTIONS

1) Where do fish obtain the oxygen that they need?

From the air

From the water

From their food

2) What special exchange surfaces seen in fish are designed to move oxygen into the blood of fish?

3) Which small blood vessels are responsible for picking up oxygen at these gas exchange surfaces?

4) Which waste gas produced in the cells of fish moves from their blood out into the surrounding environment?

5) Which specialised gas exchange surfaces are seen in other animals such as birds, reptiles and mammals?