

How Fish Breathe

The Science Behind the Experiment – A Guide for Adults

Although this experiment is not completely scientifically accurate, as in reality the oxygen dissolves through the gills and into the fish's bloodstream, it does show the children that the gills take something out of the water.



Science Experiment

How Fish Breathe

Can you pour the water mixture through the filter?

Where did the water go?

Where did the sand/coffee go?

Which part of the experiment represents the fish's gills?

Which part of the experiment represents the oxygen in the water?

The water washes past the gills and out back into the sea.
The oxygen stays with the fish.