

## Respiratory organs in some other organisms

**Spiracles:** Insects like Cockroach have a very small opening or hole called spiracles on their sides. Air enters through these holes and reaches all parts of the body through a network of thin tubes called trachea or breathing tubes.

**Skin:** Animals like frog, earthworms use their skin to breathe. Oxygen passes in and Carbon dioxide passes out through skin. Skins are generally moist and slippery.

Frogs also have lungs.

**Gills:** To survive, fish must also take in oxygen and expel carbon dioxide. Instead of lungs, fish use capillaries. Capillaries are tiny, branching organs on the side of their heads that contain a significant number of smaller blood vessels. All bony fish have a bony plate called an operculum, shaped like a comb. Water runs over the gills, and oxygen passes through the capillaries to the blood by opening its mouth.

**Blowhole:** Unlike fish with gills, whales are mammals and need to breathe air. The blowhole, located on the top of the whale's head, serves as a nostril for breathing.