

Respiration

Gills

a. General

- gills are evaginations
- typical of aquatic animals
- blood is oxygenated by gills
- oxygen delivered to tissues by blood

b. Crustacean Gills

- crustacean gills are usually associated with appendages
- blood circulates through the gill and is oxygenated

c. Book Lungs

- present in many arachnid orders
- similar to book gills of horseshoe crabs
- oxygen transport from the lungs to the tissues is by blood