

# TRACHELOBRANCHIATE

*Meaning: Trachebranchiate refers to a category of aquatic organisms that have specialized gills for extracting oxygen from water.*

1. Trachebranchiate organisms possess specialized gills that allow them to extract oxygen from water.
2. The study of trachebranchiate species can provide insights into evolutionary adaptations in aquatic environments.
3. In trachebranchiate mollusks, the respiratory system showcases a unique combination of gill and lung features.
4. Researchers are particularly interested in the trachebranchiate group due to their diverse habitats and feeding strategies.
5. Understanding the physiology of trachebranchiate animals can help in assessing the health of aquatic ecosystems.

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