

AMBULACRAL

Meaning: Ambulacral refers to the system of structures in echinoderms, such as sea stars, that includes grooves and tube feet, facilitating locomotion and feeding.

1. The ambulacral system is essential for the locomotion of many echinoderms.
2. In sea stars, the ambulacral grooves house tube feet that assist in movement and feeding.
3. Ambulacral plates provide structural support to the arms of various sea creatures.
4. During the dissection, we observed the ambulacral ring surrounding the central disc of the starfish.
5. The ambulacral region plays a crucial role in the respiratory and feeding mechanisms of certain marine species.
6. Researchers studied the ambulacral canals to better understand the water vascular system of echinoderms.
7. Ambulacral spines serve both protective and locomotory functions in some sea urchins.
8. The unique arrangement of ambulacral structures varies significantly among different echinoderm species.
9. Observing the ambulacral functions can offer insights into the evolutionary adaptations of marine life.
10. The delicate nature of ambulacral tissues makes them particularly vulnerable to environmental changes.

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