

# PROTOPODITE

*Meaning: Protopodite: the basal segment of a crustacean's limb, involved in locomotion and feeding, and significant in the study of appendage segmentation.*

1. The protopodite of the crustacean is crucial for its locomotion and feeding.
2. In studies of marine biology, the protopodite is often examined for its role in appendage segmentation.
3. Understanding the morphology of the protopodite can provide insights into the evolutionary adaptations of arthropods.
4. Research indicated that variations in the protopodite structure could affect the overall functionality of the limb.
5. The protopodite serves as a foundational component from which other limb structures develop in aquatic organisms.

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