

CHITINIZATION

Meaning: Chitinization is the biological process of forming chitin, a tough, protective polysaccharide, in the exoskeletons of arthropods and the cell walls of fungi.

1. Chitinization is a crucial process in the development of many arthropods, providing them with a protective exoskeleton.
2. The study of chitinization in fungi reveals important insights into their structural adaptations.
3. Understanding chitinization can help scientists develop new biomaterials inspired by nature.
4. Insects undergo chitinization as they molt, leading to the hardening of their outer layer.
5. Researchers are exploring the role of chitinization in the evolutionary history of certain marine organisms.

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