

OMMATIDIUM

Meaning: Ommatidium is one of the individual optical units that make up the compound eyes of arthropods, consisting of a lens and photoreceptive cells.

1. The ommatidium is a crucial component of the compound eyes found in many arthropods.
2. Researchers discovered that each ommatidium consists of a lens and photoreceptive cells that contribute to vision.
3. The intricate structure of the ommatidium allows insects to detect motion with exceptional sensitivity.
4. By studying the ommatidium, scientists can gain insights into the evolutionary adaptations of visual systems in different species.
5. The arrangement of ommatidia in a compound eye results in a mosaic-like image that differs from a human's single lens vision.

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