

BARBICEL

Meaning: Barbicel: a small, hook-like structure on a feather that interlocks with adjacent barbicels, contributing to the feather's overall integrity and aerodynamic properties.

1. The feather's barbicels interlock perfectly, creating a smooth surface for flight.
2. A close examination of the peacock's tail reveals the intricate structure of its barbicels.
3. In the world of ornithology, the term barbicel refers to the tiny hooks on bird feathers.
4. The durability of the barbicels contributes to the feather's ability to withstand harsh weather conditions.
5. Scientists study the arrangement of barbicels to understand the evolution of bird flight.
6. Barbicels play a crucial role in maintaining the aerodynamic properties of feathers.
7. The delicate barbicels can be easily damaged, affecting the feather's overall performance.
8. During the molting process, birds replace old feathers, including those with worn barbicels.
9. Understanding barbicels helps researchers in the field of biomimicry and design.
10. The soft texture of the down feathers is due to the presence of numerous barbicels.

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