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What is Flight

Understanding Flight: How Birds Soar Through the Sky

DEFINITION

> Flight is the ability of birds to move through the air using their wings. It allows them to travel, find food, and escape predators.

KEY CONCEPTS

Wings

Wings are special body parts that help birds lift off and stay in the air.

Lift

Lift is the upward force that allows birds to rise into the sky.

Thrust

Thrust is the forward force that propels birds through the air.

Drag

Drag is the resistance that slows birds down as they fly.

Feathers

Feathers are lightweight and help birds stay aerodynamic while flying.

EXAMPLES

→ A sparrow flapping its wings to fly to a tree.

→ An eagle soaring high above the mountains.

→ A hummingbird hovering in front of a flower.

MEMORY TIPS

★ Remember 'Lift, Thrust, Drag' as the three forces of flight.

★ Think of 'Wings' and 'Feathers' as the bird's flying tools.

★ Visualize a bird flying: it needs lift to go up and thrust to move forward.

COMMON MISTAKES

✗ Confusing lift with thrust; they are different forces.

✗ Forgetting that not all birds can fly, like ostriches.

✗ Overlooking the role of feathers in flight.

QUICK RECAP

Flight is essential for birds, allowing them to navigate their environment. Key concepts include wings, lift, thrust, and drag. Remember the forces that help birds soar through the sky!