

Name _____

Dragonflies: Masters of Flight

Open-Ended Response Answer Key

1. Dragonflies need to fly quickly and efficiently to catch food, escape predators, and defend their territory.
2. An ideal response would describe spotting a mosquito, hovering close to it, and then darting forward to grab it midair using speed and sharp turns.
3. The jet propulsion system nymphs use underwater helps them learn to move efficiently, which prepares them for quick and agile flight as adults.
4. Humans can learn from dragonflies' flight techniques to design better aircraft or drones that are fast, maneuverable, and energy-efficient.

