

Name _____

Sleep Secrets of Dolphins: Exploring Underwater Slumber

Open-Ended Response Questions

1. How does unihemispheric slow-wave sleep benefit dolphins in their aquatic environment, and what unique adaptations do dolphins have to facilitate this type of sleep?
2. Describe the process and significance of the "breath-hold reflex" in dolphins. How does this reflex contribute to their ability to sleep underwater?
3. In what ways do dolphins' sleeping patterns ensure their safety and social interaction within their pods? Explain how group sleeping benefits dolphins.
4. Compare and contrast the sleeping patterns of dolphins with those of humans. How do dolphins manage to rest while maintaining essential bodily functions and environmental awareness?

