

Name _____

Unraveling the Mysteries of Ocean Tides and Their Impact on Climate

Open-Ended Response Questions

1. Discuss the importance of understanding tidal patterns for coastal communities and how they can mitigate the effects of tides on their climate and environment.
2. Imagine you live in a coastal town that is experiencing increased coastal erosion due to tides. What steps could your community take to address this issue and its impact on your local climate?
3. Explore the potential consequences of disrupted ocean currents and their impact on global climate. What can be done to mitigate these disruptions?
4. Analyze the relationship between ocean tides and the transport of nutrients to the surface. How does this process affect marine ecosystems, and what are the implications for climate change?

