

Name \_\_\_\_\_

## Antarctica: The Frozen Frontier

### Open-Ended Response Questions

1. Antarctica's extreme climate and isolation make it a challenging environment for life. Discuss the adaptations of penguins, seals, or other Antarctic wildlife that enable them to thrive in this harsh environment.
2. The impact of climate change is particularly visible in Antarctica, with melting ice and rising sea levels. Explain how studying Antarctica's ice cores contributes to our understanding of global climate change.
3. Antarctica is often referred to as a "living laboratory" for scientific research. Explore the significance of this statement and provide examples of ongoing research projects in Antarctica.
4. Debate the pros and cons of tourism in Antarctica. Discuss the benefits of promoting tourism and the potential risks to the environment and wildlife.

