

Name _____

Exploring the Enigmatic Southern Ocean: Antarctica's Icy Realm

Open-Ended Response Answer Key

1. The Southern Ocean's role in regulating the Earth's climate is crucial as it helps transport heat and nutrients between the Atlantic, Indian, and Pacific Oceans. This current plays a significant role in shaping global weather patterns and influencing temperature and weather conditions in different regions.
2. Artists like Zaria Forman face challenges when capturing polar regions' beauty and fragility due to extreme conditions, limited accessibility, and the need for detailed and emotionally charged depictions. They often rely on photographs, scientific research, and personal experiences to create their artwork.
3. Protecting the Southern Ocean's marine biodiversity is essential because it sustains ecosystems worldwide through its role in supporting the food web and regulating the planet's climate. Preserving this ocean's delicate balance is vital for maintaining global biodiversity and ocean health.
4. Zaria Forman's artwork can impact viewers by raising awareness of climate change and the importance of preserving polar environments. It serves as a visual reminder of the beauty and vulnerability of these regions, encouraging people to take action to mitigate climate change and protect our planet's fragile ecosystems for future generations.

