Name _____

Atlantic Challenges Answer Key

Answers will vary, but strong responses should include:

- **Sea level rise** explanation: rising global temperatures cause ice to melt, expanding ocean water. Impacts might include flooding of coastal communities, loss of habitats, and threats to infrastructure. A solution may include coastal planning or reducing greenhouse gas emissions.
- **Warming waters** explanation: higher ocean temperatures affect marine species, coral health, weather patterns, and fisheries. A solution may include monitoring ecosystems or reducing pollution.
- **International cooperation** explanation: many Atlantic issues cross borders, such as overfishing, pollution, and climate impacts. Cooperation helps countries share resources, research, and policies to protect the ocean.

Teacher's Guide

- Best for grades 9 to 12, encouraging higher level thinking about environmental challenges and global decision making.

- Review expectations for strong critical thinking responses before students begin.

Differentiation Tips

- Provide guiding questions such as "Who is affected," "Why does this matter," and "What could be done".

- Allow students to brainstorm in small groups before writing.

- Challenge advanced learners to address more than one topic or compare two issues.

Engagement Ideas

- Show a map highlighting coastal cities at risk in the Atlantic region.

- Begin with a brief class discussion on how climate related changes can impact both local and global communities.