

## Climate Contrast Answer Key

(Answers will vary. Expected key points are below.)

1. Southern Ocean is extremely cold; warm oceans like the Pacific or Indian are much warmer.
2. Southern Ocean has strong winds and storms; warm oceans have calmer, warmer weather.
3. Southern Ocean water is icy and darker; warm ocean water is warmer and clearer.
4. Southern Ocean animals like penguins have thick layers; warm ocean animals like tropical fish have heat tolerant bodies.
5. Southern Ocean is mainly used for research; warm oceans support tourism, swimming, and fishing.

### Teacher's Guide

- Grades 3 to 5 can answer each prompt with simple sentences.
- Grades 6 to 7 can expand with details about climate patterns and wildlife adaptations.
- Encourage students to choose either the Pacific or the Indian Ocean for consistency.

### Differentiation Tips

- Provide sentence starters such as The Southern Ocean is... or The Pacific Ocean has....
- Allow students to complete prompts verbally before writing responses.
- Offer short fact cards about both oceans to support learners who need background knowledge.

### Engagement Ideas

- Begin class with two images: one icy Southern Ocean scene and one tropical ocean scene.
- Ask students which ocean they would rather visit and why.