

Name _____

Polar Layers Answer Key

- | | |
|------|-------|
| 1. C | 6. A |
| 2. D | 7. B |
| 3. C | 8. C |
| 4. A | 9. D |
| 5. B | 10. B |

Teacher's Guide

- Strengthen understanding of Arctic Ocean physical features for grades 6 to 8.
- Build knowledge of ocean layers, seasonal changes, and climate patterns.
- Encourage critical thinking using grade appropriate multiple choice analysis.

Differentiation Tips

- Review vocabulary ahead of time such as brine, density, surface currents, and deep water.
- Allow students to underline clues in each question before selecting an answer.
- Challenge advanced learners to write two additional multiple choice questions based on new research.

Engagement Ideas

- Use a simple ocean layer sketch on the board to launch discussion.
- Have students predict how Arctic layers might differ from a warm ocean like the Indian Ocean.
- Facilitate partner discussions where students explain their answer choices.

Extension Activities

- Students create a short illustrated diagram showing seasonal changes in sea ice.
- Encourage a mini research task on how Arctic surface currents influence global circulation.