

Name:

Ocean Teens

Antarctica - Extreme Environments Worksheet

Year 7 & 8

1. Antarctica is often referred to as 'a land of extremes'. Describe the features of the landscapes or climate to support this:

2. Complete the following

a. Lowest Recorded Temperature: _____

b. Highest recorded wind speed: _____

c. Average annual rainfall: _____

3. What clues do scientists have that indicate the Antarctic climate was not always as it is today?

4. Describe Captain James Cook's involvement in the discovery of Antarctica:

5. Captain John Davis is credited with the first landing at Antarctica. How long did he and his crew spend on the continent?

6. What drove Davis and the other explorers to Antarctica and the Southern Ocean in the 1800s?

7. The race to the South Pole centered around three main explorers. Who were they and what were their significant achievements?

| Year | Explorer | Achievement |
|------|----------|-------------|
| | | |
| | | |
| | | |

Name:

Ocean Teens

Antarctica - Extreme Environments Worksheet

Year 7 & 8

8. Identify some of the challenges faced by these men in their quest for glory:

9. List 3 modes of transportation used by early explorers to navigate the harsh Antarctic landscape

1. _____
2. _____
3. _____

10. How does the transportation utilised by modern scientists differ to that of the explorers?

11. How long is the journey from Christchurch to Antarctica?

By Plane: _____

By Ship: _____

12. Describe the current conditions at New Zealand's research station at the moment:

13. In 1959 twelve nations signed a document known as the Antarctic Treaty. Explain the main goal of the treaty:

14. What are the 2 major threats that challenge the survival of Antarctic wildlife today?

Name:

Ocean Teens

Antarctica - Extreme Environments Worksheet

Year 7 & 8

15. Draw a six-link Antarctic food chain including a penguin



16. Describe the adaptations that aid penguins in finding prey and avoiding predators:

