



Name: _____

Date: _____ ID: A

Science Grade 6 Lesson 7 Practice Exercise 7-4

1. You are reading about the Titanic and want to learn more about icebergs. You form a hypothesis that the Titanic sunk because it hit the iceberg under the water before the ship's officers could see it on the water's surface.

You decide to perform an experiment. You fill an empty aquarium with water. Then you take a block of ice from the freezer and float it in the aquarium. You make a sketch to show how much ice is above the surface of the water and how much is below. You see that much more ice is below the water's surface than above the water.

Write a report about your findings. Make sure to include information from your experiment. How did this experiment help you understand about the dangers of icebergs to ships? What did you observe during your experiment that could help you make this observation?

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Answer Section**

ESSAY

1. ANS:

Scoring Rubric:

Full score: Student provides a correct inference and an observation to justify this example. For example:

- a. The ice showing above the water is only a small part of the danger. Ships have to be aware that most of the iceberg doesn't show on the surface.
- b. The student could see less of the ice above the water than below the surface.

For half credit: Student provides a correct inference but cannot justify it with the correct observation.

No credit: Student shows no understanding of the concept.