

Name: _____ Date: _____

Which Way to the Lab? 3rd Grade Branches of Science Quiz

Correctly classify scientific investigations into life, earth, and physical categories to build a strong foundation for future inquiry-based projects.

1. A scientist is visiting a beach to study how the ocean waves change the shape of the sand dunes.

Which branch of science is this?

- A. Biology
- B. Physics
- C. Earth Science
- D. Chemistry

2. True or False: A scientist who studies how magnets pull on metal objects is working in the field of Physics.

- A. True
- B. False

3. If you are observing a colony of ants to see how they work together to gather food, you are practicing _____.

- A. Biology
- B. Geology
- C. Astronomy
- D. Chemistry

4. Which scientist would be most interested in studying why a shiny new copper penny turns green over time?

- A. An Astronomer
- B. A Chemist
- C. A Biologist
- D. A Physicist

5. True or False: Astronomy is the branch of science that focuses on naming different types of rocks found in the backyard.

- A. True
- B. False

6. A scientist who spends their time tracking hurricanes to keep people safe is working in the field of _____.

- A. Physics
- B. Chemistry
- C. Earth Science

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D. Biology

7. If you wanted to design a faster bicycle by studying motion and friction, which branch of science would help you the most?

- A. Environmental Science
- B. Physics
- C. Biology
- D. Botany

8. When you use a telescope to find the rings of Saturn, you are exploring the branch of ____.

- A. Biology
- B. Astronomy
- C. Geology
- D. Chemistry

9. Which of these questions would a Biologist be most likely to investigate?

- A. How long does it take for a sunflower to grow?
- B. How much electricity does a lightbulb use?
- C. What are the names of the minerals in a mountain?
- D. Why does ice melt when it gets warm?

10. True or False: Most scientists only use one branch of science and never need to learn about the others.

- A. True
- B. False