

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Science Sorter: Picking Your Specialty Quiz (8th Grade)

Classification skills, interdisciplinary connections, and field identification. Perfect for a middle school science careers unit or an introductory diagnostic tool.

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**1. A scientist is studying how the tectonic plates under the Pacific Ocean move. Which branch of science is the primary focus of this research?**

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

**2. Physics is the study of how living organisms grow and adapt to their environments.**

- A. True
- B. False

**3. The branch of science that investigates the atomic composition of substances and how they react with one another is known as \_\_\_\_\_.**

- A. Paleontology
- B. Chemistry
- C. Botany
- D. Zoology

**4. If a researcher is analyzing high-speed photos of a soccer ball to determine its acceleration and velocity, they are working within which field?**

- A. Physics
- B. Environmental Science
- C. Chemistry
- D. Astronomy

**5. A scientist using a rover to search for signs of ancient water on Mars is primarily practicing the branch of \_\_\_\_\_.**

- A. Meteorology
- B. Ecology
- C. Geology
- D. Astronomy

**6. Environmental Science often combines knowledge from multiple branches like biology and earth science to solve problems.**

- A. True
- B. False

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**7. Which of these topics would fall under the category of Biology?**

- A. The mineral content of different soil types
- B. The way cellular respiration provides energy to cells
- C. The trajectory of a comet through the solar system
- D. The pH level of a new cleaning solution

**8. The study of the atmosphere and weather forecasting is a specialized part of Earth Science known as \_\_\_\_\_.**

- A. Meteorology
- B. Chemistry
- C. Oceanography
- D. Physics

**9. A chemist would likely be the person to design a more efficient battery for electric cars.**

- A. True
- B. False

**10. Which branch of science would be most concerned with how a solar flare might disrupt satellite communications on Earth?**

- A. Biology
- B. Chemistry
- C. Environmental Science
- D. Astronomy