

# Separating Mixtures Review

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## Understanding Physical Methods

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

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

Answer the following questions based on what you learned about separating mixtures.

1. What is filtering used for?

- A. To mix things together
- B. To separate particles of different sizes
- C. To heat mixtures

2. Magnetic separation uses \_\_\_\_ attraction to separate materials.

3. Why do we use different methods to separate mixtures?

4. Draw a line from each separation method to its description.

Filtering

Uses a magnet to attract metals

Magnetic Separation

Divides based on size

Hand-picking

Separates visible objects

5. Which method would you use to separate iron filings from sand?

- A. Hand-picking
- B. Filtering
- C. Magnetic separation

6. In hand-picking, we separate objects that are \_\_\_\_ different.

7. Can you give an example of when you might use filtering?

8. Hand-picking is used for separating materials that are the same size.

True

False

9. What is the purpose of separating mixtures?

- A. To create new mixtures
- B. To understand the properties of materials
- C. To make things messy

10. The Bible teaches us that finding wisdom is better than \_\_\_\_ and gold.

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### Answer Key

1. To separate particles of different sizes 2. magnetic 3. Different mixtures have unique properties that require different techniques. 4. Uses a magnet to attract metals 5. Magnetic separation 6. visibly 7. You might filter water to remove dirt or particles. 8. False 9. To understand the properties of materials 10. silver