

Understanding Mixtures

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Review of Heterogeneous and Homogeneous Mixtures

Name: _____

Date: _____

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

1. What is a characteristic of heterogeneous mixtures?

- A. They are uniform throughout
- B. They have visibly different components
- C. They cannot be separated easily

2. Give two examples of heterogeneous mixtures you might find in your kitchen.

3. Homogeneous mixtures have components that are not evenly distributed.

- True False

4. A solution is a type of ____ mixture where the components are evenly distributed.

5. How is a solution different from other mixtures?

- A. It looks uniform and is evenly mixed
- B. It has larger pieces that can be seen
- C. It cannot be separated easily

6. Why is it important to develop careful scientific observation skills when studying mixtures?

7. You can easily separate the components of a homogeneous mixture.

- True False

8. In a heterogeneous mixture, the components are ____ different and can be easily separated.

9. Which of the following is an example of a homogeneous mixture?

- A. Fruit salad
- B. Sugar dissolved in water
- C. Oil and vinegar

10. Reflect on a mixture you have observed. What differences did you notice, and how can you classify it?

Answer Key

1. They have visibly different components 2. A salad and a bowl of mixed nuts are examples of heterogeneous mixtures. 3. False 4. homogeneous 5. It looks uniform and is evenly mixed 6. It helps us understand the properties of different mixtures and how to classify them correctly. 7. False 8. visibly 9. Sugar dissolved in water 10. I observed a bowl of M&Ms. The colors are different, so it's a heterogeneous mixture. I can separate the candies by color easily.