

Instructions

Read each question carefully and provide detailed responses. Use the space provided for answers.

Warm-Up Question

What is the difference between a mixture and a pure substance?

Multiple Choice

1. Which of the following is NOT an example of a mixture?

- a) Air
- b) Saltwater
- c) Pure oxygen
- d) Soil

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2. Which term describes the substance that is dissolved in a solution?

- a) Solvent
- b) Solute
- c) Mixture
- d) Suspension

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Short Answer

3. Give two examples of homogeneous mixtures and two examples of heterogeneous mixtures.

Homogeneous: _____

Heterogeneous: _____

4. What is the main difference between a solution and a suspension?

Long Response

5. Explain the process of chromatography and how it is used to separate mixtures. Be sure to include its practical applications.

