

Mixtures

Name:

Date:

INQUIRY

Salt water, air, and Korean bibimbap are all mixtures. What do they have in common?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Mixture	Two or more substances combined but NOT chemically joined.
Solution	Solute dissolved in solvent. Clear.
Suspension	Particles mixed but not dissolved. Settles over time.

Part A — Classifying

1. Classify as mixture or pure substance: (a) distilled water (b) salt water (c) oxygen gas (d) air (e) gold. [3 marks]

2. Is bibimbap a solution or a suspension? Explain. [2 marks]

Part B — Solutions

3. Name the solute and solvent in: (a) sugar in tea (b) salt in seawater (c) CO₂ in sparkling water. [3 marks]

4. A student adds sugar to cold tea and it doesn't dissolve. Suggest 3 things to help it dissolve faster. [3 marks]