



Properties of Matter

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A solution forms when one substance called the _____ dissolves in another substance.
2. The substance that does the dissolving in a solution is called the _____.
3. Stirring or heating a liquid can help a solute dissolve _____ in a solvent.
4. A mixture of sand and water can be separated by pouring it through a _____ to trap the sand.
5. When no more solute can dissolve in a solvent, the solution is said to be _____.
6. Evaporation can be used to separate a dissolved _____ from a liquid solution.
7. Oil and water do not mix because oil is _____ in water.
8. A _____ mixture has parts that are not evenly spread out and can be seen.
9. In saltwater, water is the solvent and _____ is the solute.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Sand and gravel



Use a magnet – iron is attracted to magnets but sand is not

Saltwater



Use a sieve – larger gravel pieces stay on top while sand falls through

Iron filings

Use _____

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A solution forms when one substance called the solute dissolves in another substance.
2. The substance that does the dissolving in a solution is called the solvent .
3. Stirring or heating a liquid can help a solute dissolve faster in a solvent.
4. A mixture of sand and water can be separated by pouring it through a filter to trap the sand.
5. When no more solute can dissolve in a solvent, the solution is said to be saturated .
6. Evaporation can be used to separate a dissolved solid from a liquid solution.
7. Oil and water do not mix because oil is insoluble in water.
8. A heterogeneous mixture has parts that are not evenly spread out and can be seen.
9. In saltwater, water is the solvent and salt is the solute.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Sand and gravel	→ <u>Use a sieve – larger gravel pieces stay on top while sand falls through</u>	Use a magnet – iron is attracted to magnets but sand is not
Saltwater	→ <u>Use evaporation – water turns to vapor and leaves salt crystals behind</u>	Use a sieve – larger gravel pieces stay on top while sand falls through
Iron		Use