



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 pure substance made of only one type of atom is called an _____.
2. Water is a _____ because it is made of hydrogen and oxygen chemically combined.
3. A salad is a _____ because its parts can be physically separated.
4. Gold and oxygen are both examples of _____ found on the periodic table.
5. Table salt has the chemical formula NaCl, which means it is a _____ of sodium and chlorine.
6. A solution is a type of _____ mixture that looks the same throughout.
7. Trail mix is a _____ mixture because you can see the different pieces.
8. In a compound, the elements are combined in a fixed _____ that does not change.
9. Unlike a compound, a mixture can be separated using _____ methods like filtering.

Part B: Matching

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

1. Match each item to its correct answer.

Oxygen



Saltwater



Homogeneous mixture — salt dissolved evenly throughout water

Heterogeneous mixture — different pieces can be seen and separated

Answer Key · Properties of Matter · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A pure substance made of only one type of atom is called an element.
2. Water is a compound because it is made of hydrogen and oxygen chemically combined.
3. A salad is a mixture because its parts can be physically separated.
4. Gold and oxygen are both examples of elements found on the periodic table.
5. Table salt has the chemical formula NaCl, which means it is a compound of sodium and chlorine.
6. A solution is a type of homogeneous mixture that looks the same throughout.
7. Trail mix is a heterogeneous mixture because you can see the different pieces.
8. In a compound, the elements are combined in a fixed ratio that does not change.
9. Unlike a compound, a mixture can be separated using physical methods like filtering.

Part B: Matching

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

1. Match each item to its correct answer.

Oxygen	→ <u>Element — a pure substance made of only one type of atom</u>	Homogeneous mixture — salt dissolved evenly throughout water
Saltwater	→ <u>Homogeneous mixture — salt dissolved evenly throughout water</u>	Heterogeneous mixture — different pieces can be seen and separated