

Name _____

Date _____

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Chemical Interactions Quiz

Chapter 1, Section 1: Matter and Its Changes

Part 1: Vocabulary Review: Fill in the blank with the correct term from the vocabulary word bank below.

Word Bank

chemical change

physical change

compounds

chemical

element

solution

chemical reaction

atoms

molecule

chemical bond

mixture

1. _____ occur when chemical bonds are either formed or broken apart.
2. One grain of sand on a beach contains more _____ than there are sand grains on the entire beach.
3. When you mix a packet of Kool-Aid and water, it makes a liquid _____, which is a "well-mixed mixture."
4. We are not studying physics. We are studying about the properties of matter and how matter changes, which is _____.
5. Toasting a marshmallow over a campfire is an example of a _____ because the burning causes the marshmallow to change into a new substance that tastes totally different than a marshmallow right out of the bag.
6. If you rip a sheet of paper in half, it is an example of a _____ because the paper just changes size. It does not change into something totally new.
7. Pure gold is an example of an _____ because it cannot be broken down into any other substances by chemical or physical means.
8. Water _____ has 2 hydrogen atoms combined with 1 oxygen atom (H_2O).
9. You can think of _____ as being the "glue" that makes atoms "stick" to each other.
10. Sugar is made of the elements carbon, hydrogen, and oxygen. When elements combine to make _____, the resulting substance has properties that are different from the elements.
11. Soil can be any combination of sand, clay, water, and other materials. Yet it is still soil. _____ differ from compounds because the different parts keep their individual properties.

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