

Name: _____

Date: _____

Chemistry Worksheet: Matter #1

1. Mixture (is/**is not**) a chemical combining of substances
2. In a compound the (**atoms**/molecules) are (**chemically**/physically) combined so that the elements that make up the compound (retain/**lose**) their identities and (**do**/do not) take on a new set of properties.
3. The smallest identifiable unit of a compound is a(n) **element** which is made up of **atoms** which are chemically bonded
4. True or **False**: A mixture is always made up of a combination of elements
5. In a mixture, the substances (lose/**retain**) their identities
6. In a mixture the substances involved (**can**/cannot) be separated by a simple physical process.
In a compound the elements involved (can/cannot) be separated by a simple physical process because the elements are (physically combined/chemically bonded)
7. True or **False**: An element can be broken down into a simpler substance
8. The smallest identifiable unit of an element is a(n) **atom**
9. From the following list of substances, circle the ones that are elements:

silver	carbon dioxide	wood alcohol	chromium
water	hydrogen	carbon	nitrogen
oxygen	gold	sugar	salt
air	sulfur	magnesium	nickel
10. Explain how to separate the sugar and water in a solution of sugar and water. **Evaporate the water**