**Matter Test Review Guide** Name:

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| 1. Define and describe an atom. |  |
| 1. What is an element? Give two examples of elements you know. |  |
| 1. What is matter? |  |
| 1. What are the three main states of matter? |  |
| 1. How do the states of matter change as you increase the thermal (heat) energy? |  |
| 1. Draw a picture of the atoms in each of the three states of matter. |  |
| 1. Which state (phase) of matter has…   --a definite shape, definite volume?  --an indefinite shape, definite volume?  --an indefinite shape, indefinite volume? |  |
| 1. Atoms are always moving. What word do we use to describe their movement? |  |
| 1. Why do materials expand when we add thermal (heat) energy? |  |
| 1. What is a physical property? |  |
| 1. List four physical properties of a banana. |  |
| 1. What is a chemical property? |  |
| 1. Give two examples of chemical properties. |  |
| 1. What is a physical change? |  |
| 1. Give two examples of physical changes. |  |
| 1. What is a chemical change? |  |
| 1. What piece of science equipment do you use to measure the volume of a liquid? |  |
| 1. Describe how you would find the volume of an object using the displacement method. |  |
| 1. What is volume? |  |
| 1. What is the formula we use to calculate density? (Put into words, too.) |  |
| 1. How do you find the volume of a regularly shaped object, such as a cube? |  |
| 1. Define mass. |  |
| 1. What is a mixture? Give two examples of mixtures. |  |
| 1. How is a homogeneous mixture different from a heterogeneous mixture? |  |
| 1. What do we mean by boiling point? |  |
| 1. What happens at the melting point? |  |
| 1. Define solubility. |  |
| 1. How is a solute related to a solvent? |  |