**Matter Test Review Guide** Name:

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