

States of Matter

Name: _____ Date: _____

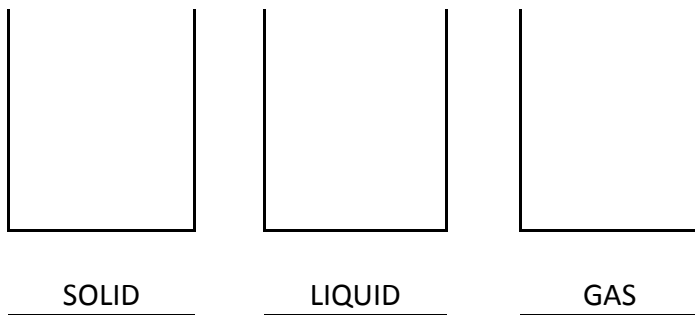
Period: ____ Score: ____ / 25

Volume	Mass	Shape	Solids	Liquids	Gases	Plasma	Matter	Atoms	Space
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Choose a word from the box to complete each sentence (10pts).

1. The three basic properties of matter are _____, _____, and _____.
2. The state of matter found in fluorescent lights and lightning strikes, but uncommon on earth is _____.
3. Volume is the amount of _____ that matter takes up.
4. Mass is the amount of _____ an object has.
5. All matter is made up of tiny particles called _____.
6. _____ have a definite shape, a definite volume, and particles stick together and have a slight vibration.
7. _____ have no definite shape, a definite volume, and particles are held tightly together, but flow freely past each other.
8. _____ have no definite shape or volume and particles are free to flow.

Draw the molecular structure of a solid, liquid and a gas in the following diagram (3pts).



Fill in the table below (12pts).

State of Matter	Definite Volume Yes / No	Mass Yes / No	Definite Shape Yes / No	Kinetic Energy (low, higher, highest)
Solid				
Liquid				
Gas				