

NAME:

Exercise A: Match the words from the word bank to their meaning. You may need to review Lecture #6.

1. _____ solids, liquids, and gases.
2. _____ matter in that state can only change shape by force.
3. _____ measure of the average energy associated with random motion of the particles of a substance.
4. _____ matter in that state is nearly incompressible.
5. _____ state of matter characterized by indefinite shape and volume.
6. _____ tiny particles that make up ordinary matter.
7. _____ chaotic motion of any relatively small particle suspended in liquid or gas.

WORD BANK: atoms, temperature, Brownian motion,
gas, states of matter, liquid, solid

Exercise B: Give THREE (3) specific EXAMPLES of objects or substances that illustrate matter in different states of aggregation. Please choose examples that were NOT previously mentioned in class!

Example 1 (SOLID)_____

Example 2 (LIQUID)_____

Example 3 (GAS)_____