Science 8 Matter Review Name:

1. What is the definition of Matter?
2. What is the definition of Mass?
3. What is the definition of Volume?
4. List the three points of Kinetic Molecular Theory.
5. How do you know a physical change has occurred?
6. How do you know a chemical change has occurred?
7. Is a change of state a chemical or physical change? Explain.
8. Explain the Law of Conservation of Mass in your own words. Include a description of Lavoisier’s experiment.
9. Explain, using the Kinetic Molecular Theory why you might use hot water to unstick a tight lid on a glass jar.
10. Classify each as a mixture or pure substance:

a) pure water g) Dr. Pepper soda

b) sea water h) helium gas

c) granola i) air

d) Gatorade j) cloud of smoke

f) your sock drawer ) solid iron

11. Label the diagram as either LOSING OR GAINING energy for each direction of phase transition (change of state).

