

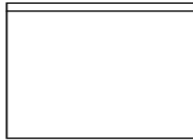
Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**States of Matter – Ch. 8**  
(p.214-220)

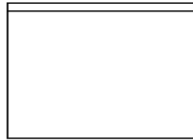
1. Compare and contrast solids and liquids.

2. Compare and contrast liquids and gases.

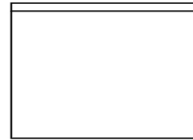
3. Draw a diagram to represent 8 particles in each state of matter. (HINT: Recall that plasma is gas-like but with one major difference.)



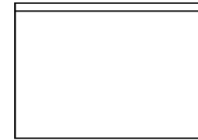
SOLID



LIQUID



GAS



PLASMA

4. A common trick for removing a stubborn jar lid is to run the metal lid under hot water.

a. What does Kinetic Molecular Theory tell us about the effect of temperature on the motion of particles?

b. Describe what happens to the particles in the metal lid when it is run under hot water. Why does this trick allow the lid to be removed more easily?

c. What is the process you described in 4b called? \_\_\_\_\_