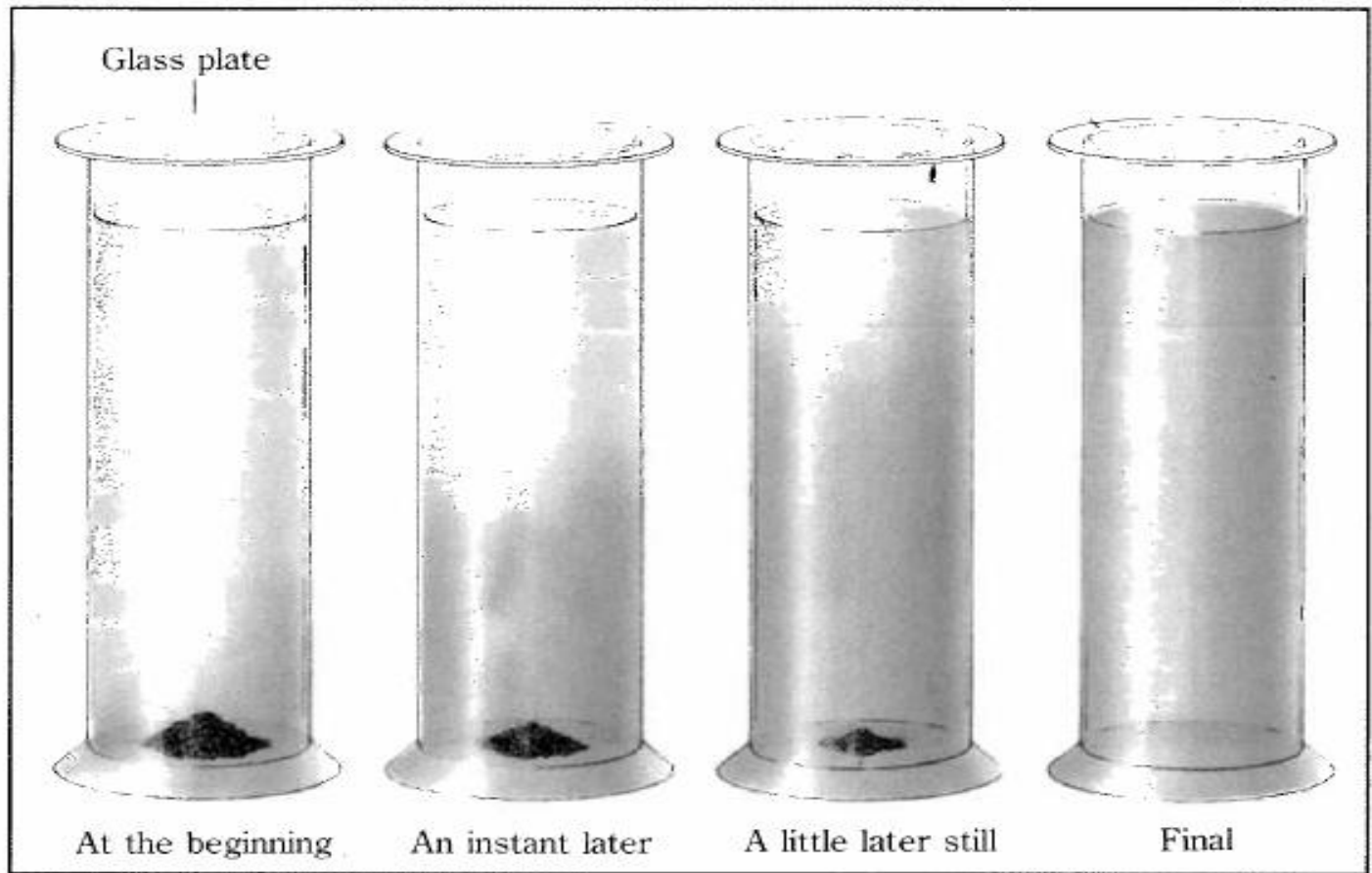


THE MOVEMENT OF PARTICLES



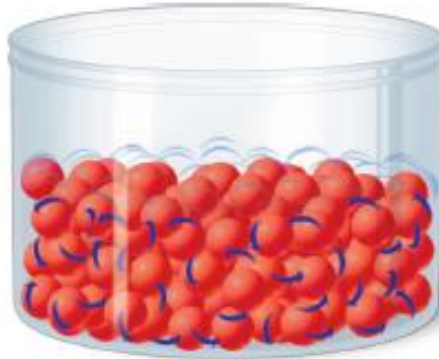
Potassium Permanganate over time:



DRAW the particle arrangement in a
solid, liquid, and gas:



Solid



Liquid



Gas

READ pages 97 to 100 and answer the following questions:

In which state of matter do particles have the most energy?

In which state of matter do particles have the least energy?

Any change in thermal energy means a change in what?

Which changes of state require an increase in thermal energy?


Which changes of state require a decrease in thermal energy?

What is sublimation?

DO: Heat a marble using tongs following teacher direction.

Drop the marble into a beaker of cold water.

Answer the statement and make your observations about the marble.



DO: Place the flask with the colored water on the lab table and grasp it with both hands.

What happens?

Answer the statements by circling the appropriate words.

OBSERVE

What happened to the size (volume) of the balloon after being in the freezer overnight?

DESCRIBE how the particles of gas (air) inside the balloon are moving after being cooled and losing energy.

CONCLUSIONS:

Complete the
conclusion
questions for
homework.