Name(s):

**Thermal Energy Web Discovery**

Click on this [link](http://www.classzone.com/books/ml_science_physical/page_build.cfm?id=resour_ch4&u=1). On the right side, under the “green” box labeled “simulations” click on the kinetic energy and temperature link. Read the text, operate the animations and answer the questions that follow. ***Remember to answer questions in complete sentences and in a red font.***

1. Which **two** factors affect the average kinetic energy of the particles of any type of matter?

2. What happens to the speed of the particles if the temperature is **increased**?

3. What happens to the speed of the particles if the size of the particle is **increased**?

4. What do you have to do to give the particles of the matter the **most** kinetic energy?