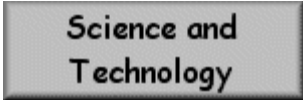
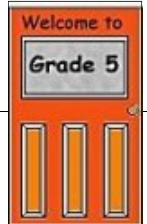


Student Name: _____

INSTRUCTIONS

A. Click on Grade five door.

B. Click on Science and Technology.

A grey rectangular button with the text "Science and Technology" in black.C. Click on **Three States** under Properties and Changes in Matter.

1. Read this page and fill in the blanks:

The Kinetic Molecular Theory explains the _____ between _____ and the _____ that they possess. This theory has _____ basic assumptions.

1. Matter is composed of small particles called _____.

2. The molecules are in constant _____.

3. When molecules collide with each other, there is no loss of _____.

2. Read about the three states of matter. Read each statement and write if it is a Liquid, Gas or Solid.



A) _____ Molecules are held close to each other by their attractions of charge.

B) _____ Molecules will flow or glide over one another, but stay toward the bottom of a container.

C) _____ Molecules are in continual straight line motion.

D) _____ The kinetic energy of the molecule is greater than the attractive force between them, thus they are much farther apart and move freely of each other.

E) _____ They will bend and/or vibrate, but will stay in close proximity.

F) _____ Motion is a bit more random than that of a solid.

Student Name: _____

A. Click the back button to get back to the Science and Technology page.

B. Click on Changes of State under Properties and Changes in Matter.



1. What temperature is the of the ice (solid state of matter)?

2. Click the heat button. What happens to the ice when it reaches zero degrees Celsius?

3. Click the cool button. Does ice take up a bigger or smaller volume than water?

4. Click the heat button twice. What happens to the water when it reaches 100 degrees Celsius?

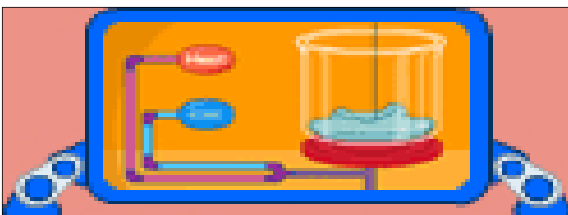
5. Click the heat button again to heat the steam past 100 degrees Celsius. What happens? Explain why this occurs.

6. Take the Quiz. How did you do?

7. Click on What Next? and choose Solids and Liquids. In this lab, drag each of the following items into the beaker, heat and cool, observe the results and chart the following:

Substance	Temperature in the Liquid State	Wobble Test (Y or N)	Temperature in the Solid State	Wobble Test (Y or N)
Chocolate				
Candle Wax				
Aluminum Can				
Butter				
Lime Lolly				

8. Take the Quiz. How did you do?



What three things did you learn?

1. _____
2. _____
3. _____