Learning Target	How am I doing with this? Write down evidence!
I can identify the three types of energy	
transfer in real-life situations.	
I can describe the different forms of	
energy and provide examples of each.	
I can identify the different segments of the	
electromagnetic spectrum by wavelength	
and/or frequency when given a diagram.	
I can accurately perform metric	
conversions when given the metric chart.	
I can identify the parts of an	
electromagnetic wave.	
Know the major phases of matter and how	
they compare to each other in terms of	
energy	
Know how to explain visually how	
particles are different (spacing, etc.)	
between the phases of matter	
Know the six (6) major phase changes (by	
name)	
Know whether a phase change occurs	
because of an increase or a decrease in	
energy	
Be able to read and interpret phase	
change diagrams and phase diagrams	
showing the three phases with triple point	
Know how to determine melting and	
boiling points at a given pressure on a	
phase diagram	
Know what the kinetic molecular theory	
states and how it relates to phases of	
matter	

Name:

Know the three major gas variables and	
how they are created (i.e. pressure =	
collisions; temperature = kinetic energy,	
etc.)	
Know how adjusting gas variables	
(temperature, pressure, volume) can	
affect the gas in a container	
Know where to find the combined gas law	
formula on your placemat	
Be able to adjust and interpret the formula	
to solve for variables of P, V, + T.	
Be able to convert between Celsius and	
Kelvin temperatures	
Be able to connect the combined gas law	
to real life situations (i.e. why you	
shouldn't heat up a metal can, etc.)	

Write down any information you struggled with in the space below to review again:

Remember, 10-15% of this exam may consist of questions and topics from Unit 1 -Fundamentals of Chemistry. Write down anything you struggled with from Unit 1 below: