Topic 5 mini projects

Project 1 Matter Foldable

Create a foldable like the one pictured on the board and write information behind each flap pertaining to each state of matter. Be sure to include the following about each state:

* Differentiate molecular arrangements in each state of matter – solid, liquid, gas, and plasma (draw)
* Relate the role of energy to changes of state in matter
* Explain how some substances such as dry ice can skip phases
* On the back of the foldable create the phase change graph illustrated on the board. Construct a phase change diagram depicting energy input (x axis) Vs. temperature change (y axis)

Project 2 Water cycle model

Fold and cut a piece of paper so that it has a square popping out. Your job is to label and diagram the steps of the water cycle. Include the energy transformations On the back answer the following questions:

* Identify and explain the causes of phase changes within the water cycle (at the equator and away from the equator)
* Hypothesize the potential effects of the water cycle in Florida as a result of global warming

Project 3 Humidity

Compare and contrast relative and absolute humidity in your notes. Answer the following question: explain the different instruments we can use to measure humidity. (list the different instruments and how they are used)