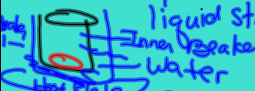


TP: Students Will understand how temperature impacts the layers of earth through demonstration and graphing

Do Now: What happens to a candy bar left in a car?

Homework
Complete the graphing from today

melting point - when a substance goes from solid to liquid state



State	Temp	Observations
1	33°C	candle is solid
	68°C	candle - starts to melt
	104°	100% melted
off	Room temp	still melted
the plate	x 1 min	
	x 2 min	- starting to clear from clear liquid

Oct 15-9:34 AM

10/15/13

TP: Students Will understand how temperature impacts the layers of earth through demonstration and graphing

Do Now: What happens to a chocolate bar left in a car in summer?

Solid melts to liquid.

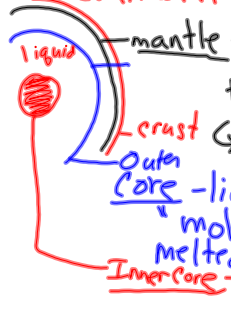
Homework
Complete the WS: Earths Layers

Oceanic crust

Oct 15-9:34 AM

Layers of Earth

Crust - outermost layer
2 types Oceanic - 1-5 miles thick
Continental 5-25 miles thick




Mantle - next to crust & solid layers that sandwich a molten layer
Asthenosphere

Outer Core - liquid layer molten metal
melted iron + nickel

Inner Core - solid nickel + iron
spins in the liquid outer core
(magnetosphere)

Oct 15-12:57 PM

Diagram of Demo Earth's Layers

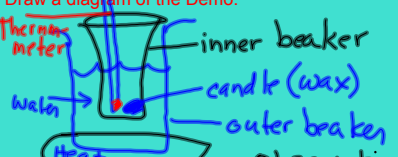


Temp	Observations
23°C	Candle - solid, Round white
37°C	- candle still solid
88°C	Candle starting to melt + some solid white, some

Oct 15-1:05 PM

TP: Students Will understand how temperature impacts the layers of earth through demonstration and graphing

Draw a diagram of the Demo:



Temp	Observations + Data chart
23°C (room)	candle - solid, white
70°C	candle - melting, liquid clear
88°	candle -
90°	

Predict: what happens when melted candle is left at room temp.

Oct 15-11:38 AM

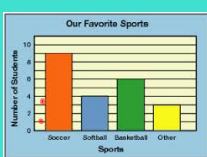
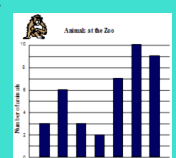
How to Construct a Bar Graph:

Steps in making a bar graph:

- Step 1: Think of a title for your graph. It should describe what the graph is showing. Write the title above the graph.
- Step 2: Decide what each axis, or side, of your graph will show. Here, the horizontal axis shows the names of different sports. The vertical axis shows the number of students.
- Step 3: Choose a scale for your data. In this case, the scale goes from 0 to 10.
- Step 4: Finally, draw a bar for each category. The top of each bar should line up with its correct length on the vertical axis. Write the name of each category below its bar.

A graph is a way of making figures visible.

What Do you notice about the bars in both graphs?

Oct 15-11:39 AM

Bar Graphs vs. Histograms

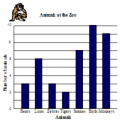
Histograms

Use histograms when y-axis gives the frequency of, or occurrences for continuous data that has been sorted into groups.

All bars are usually of equal width.

They can be turned into line graphs by connecting the middle of the top section of each vertical bar.

Histograms are not joined up bar graphs and should not be used for categoric data (unless the number of units in each group is large).



Bar graph



Histogram

Oct 15-11:52 AM