

Earth Systems Warmups

First Quarter

Warm Up 8/22 ---

Reminder Put Phones in numbered slot!

Check In:

How are you doing? Each student will go around and share. You can always elaborate/explain if you want but you don't have to give more than your thumbs sign.

Gladiator Check In: Thumbs Up- doing good!

Thumbs Sideways: Doing ok, medium

Thumbs Down: Not doing well, rough day

Did you watch the olympics? What was your favorite event?

Warm Up- 8/23 – Reminder Put Phones in Slots

(Write in your notebook)

1. Explain the difference between qualitative and quantitative observations.
(Provide examples!)

1. What is a hypothesis? How do we write it?

2. In your own words, what is:

1. - the independent variable?

2. Dependent variable?

3. Constant?

4. Control?

Warm Up 8/24

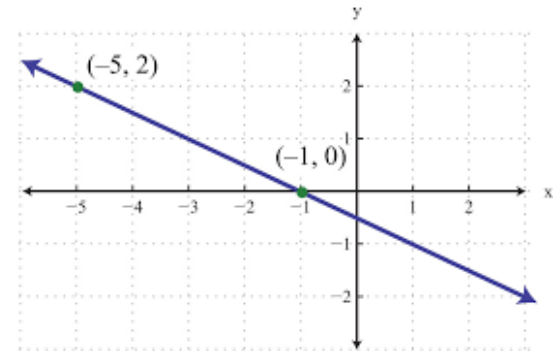
1. Explain (in your own words) in 2 or more sentences the difference between accuracy and precision.
2. What is the slope the line that goes through $(4,3)$ and $(-5, -2)$.
3. What are the 6 steps of the scientific method?

Warm Up 8/25

1. What is a scientific law? Give an example.
2. What is a scientific theory? Give an example.
3. What are the 3 types of major graphs? When do we use each one?

Enzyme 8/30

1. What is slope? What is the equation for slope?
2. Calculate the slope of the graph to the left.
3. Calculate the slope of the line that goes through points (3, -10) and (7, 6).
4. Draw a graph for the following data.



**Water Temperatures
at Various Depths**

Water Depth (meters)	Temperature (°C)
50	18
75	15
100	12
150	5
200	4

8/30 cont.

Question: ***Does the size of a fish tank determine how large a fish will grow?***

Experimental Design

independent variable

dependent variable

constant

control

8/31

1. What is a system?
2. Explain the difference between a closed and open system.
3. What are the four spheres of the Earth System?