

Chemistry Catalysts

Experimental Design

Catalyst 8/22

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?

Catalyst 8/23- Reminder- Put your phone in your slot.

1. What is chemistry?
2. Explain in 2 or more sentences the difference between qualitative and quantitative observations. (Provide examples!)
3. What is a hypothesis?

Catalyst 8/24

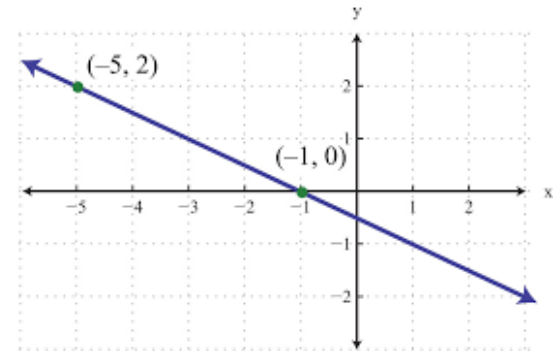
1. What is the slope the line that goes through $(4,3)$ and $(-5, -2)$.
2. What are the 6 steps of the scientific method?
3. What are the 3 major types of graphs? When do we use each?

Catalyst 8/25

1. What is a scientific law? Give an example.
2. What is a scientific theory? Give an example.
3. Explain (in your own words) in 2 or more sentences the difference between accuracy and precision.

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