

MONDAY, APRIL 1st

DO NOW

• In your notebooks, to be checked, solve this problem...
There are 1000 parts per billion (ppb) in 1 part per million (ppm) and 1000 parts per million in 1 gram per liter (g/L). These are units of Concentration!

Know:

$$1000ppb = 1ppm \quad 1000ppm = 1 \frac{g}{L}$$

Asked: How many parts per billion are in 5000 parts per million?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = Using Pg. 282-287 LIST 3 Properties of ACIDS and 3 of BASES and then CREATE your own "Acidity Scale" to RANK the Acidity of the following; Tomatoes, Milk, Detergent, Soap, AND Water!
2. Open books, **WORK** on today's **AO**!
3. ***HW** = Read & Do Pg. 282-287!

TODAY'S ACADEMIC OBJECTIVE

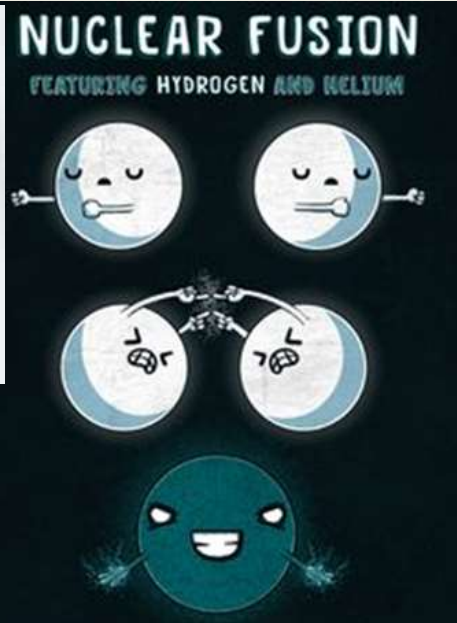
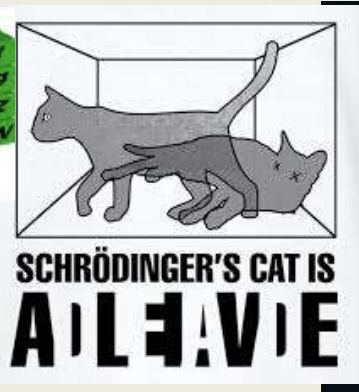
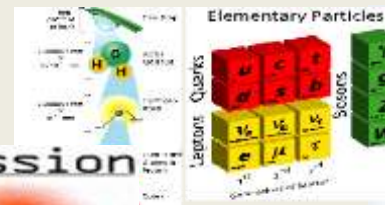
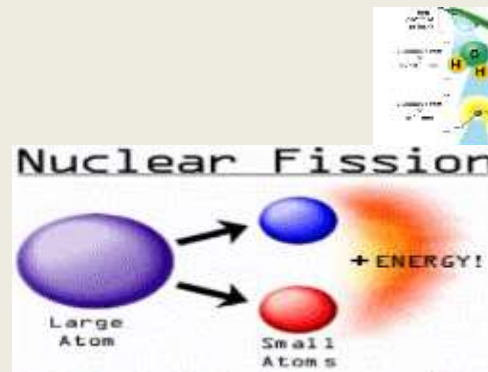
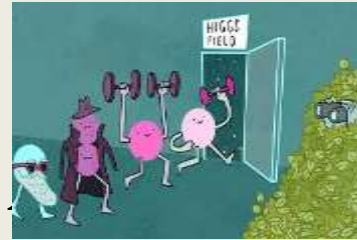
Today you will **RECORD** and **TRACK** real-time data in order to **TEST** the effects of various **SOLUTIONS**!

Yesterday's Homework Review

- *HW = Finish SUBATOMIC SAGA

HW Problems & Questions!

– STUDENTS! @! How did YOU want this epic SAGA to end?!



Science Artwork – HW Problems and Questions

1. Act 1 of “The Subatomic Saga” ended on a cliffhanger. WRITE at least 6 sentences (1 paragraph) describing what you think should happen in Act 2 of this saga USING these vocabulary terms; Nuclear FISSION, Nuclear FUSION, and RADIATION!
2. *DRAW what you think one (1) character from “The Subatomic Saga” looks like and then ILLUSTRATE (with words!) a scene they were in! BLUE MARK BONUS POINTS CAN BE EARNED IF COLORED!*
3. RESEARCH one of the “Elementary Particles” featured in “The Subatomic Saga” and then DESCRIBE 3 about it!



TUESDAY, APRIL 2nd

DO NOW

Know: Acids and Bases have unique properties, such as their pH and effect on “Litmus Paper”.

Asked: Which of the following describes an Acid?

A: Sour taste, corrosive, $\text{pH} < 7$

B: Bitter taste, slippery, corrosive, $\text{pH} > 7$

C: Neutral substance, unreactive

TODAY'S PLAN

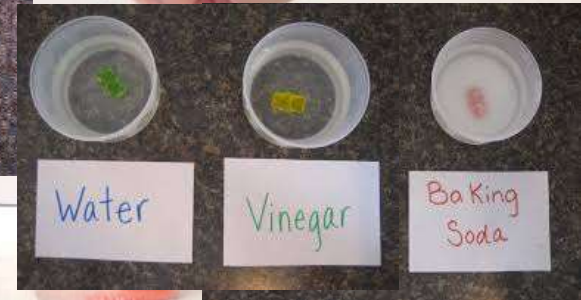
1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = QP QUIZ PREP =
Take out your SGS (STUDY GUIDE SLIDE) and ANSWER two questions from it; ONE from the DO column and ONE from the KNOW column!
2. Open books, **WORK** on today's **AO!**
3. ***HW** = STUDY for our Quiz AND FINISH Gummi Bear GRAPH!

TODAY'S ACADEMIC OBJECTIVE

Today you will **REINFORCE** your Scientific Graphing Skills in order to **REVIEW** for our next **QUIZ!**

Re-Cord That – The Incredible Changing Gummi Bears!

1. First, copy down the DATA COLLECTION & RECORDING TABLE down into your Science Notebooks and then LOOK UP at; ACID vs BASE!
2. Next, grab 4 Gummi Bears from the tub, and NAME each one (Example = Jib! Chef Gumardee! Gumila! Goo Now!)! 😊
3. Then take 4 cups and WRITE “Water”, “Salt”, and “Acid OR Base” ALONG with each Gummi Bear Name on them! Next, MEASURE and RECORD the initial mass, length, PH, and COLOR of your bears!
4. Now, MEASURE and pour out 50mL of Water, Salt Water, Acid (Vinegar), and Base (Borax Solution) into each cup and PLACE 1 of your bears into each one!
5. Finally, PREDICT what will happen to each bear and then RECORD how each of your bears change once every HOUR for 24 hours & answer the HW Problems!

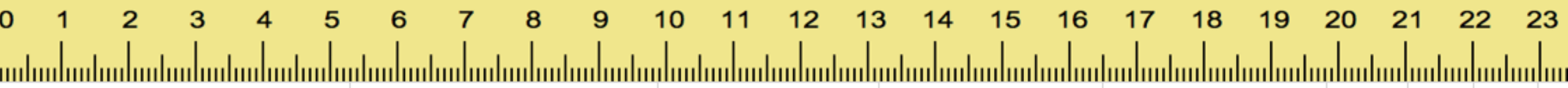


realtime Scientific
DATA TRACKING

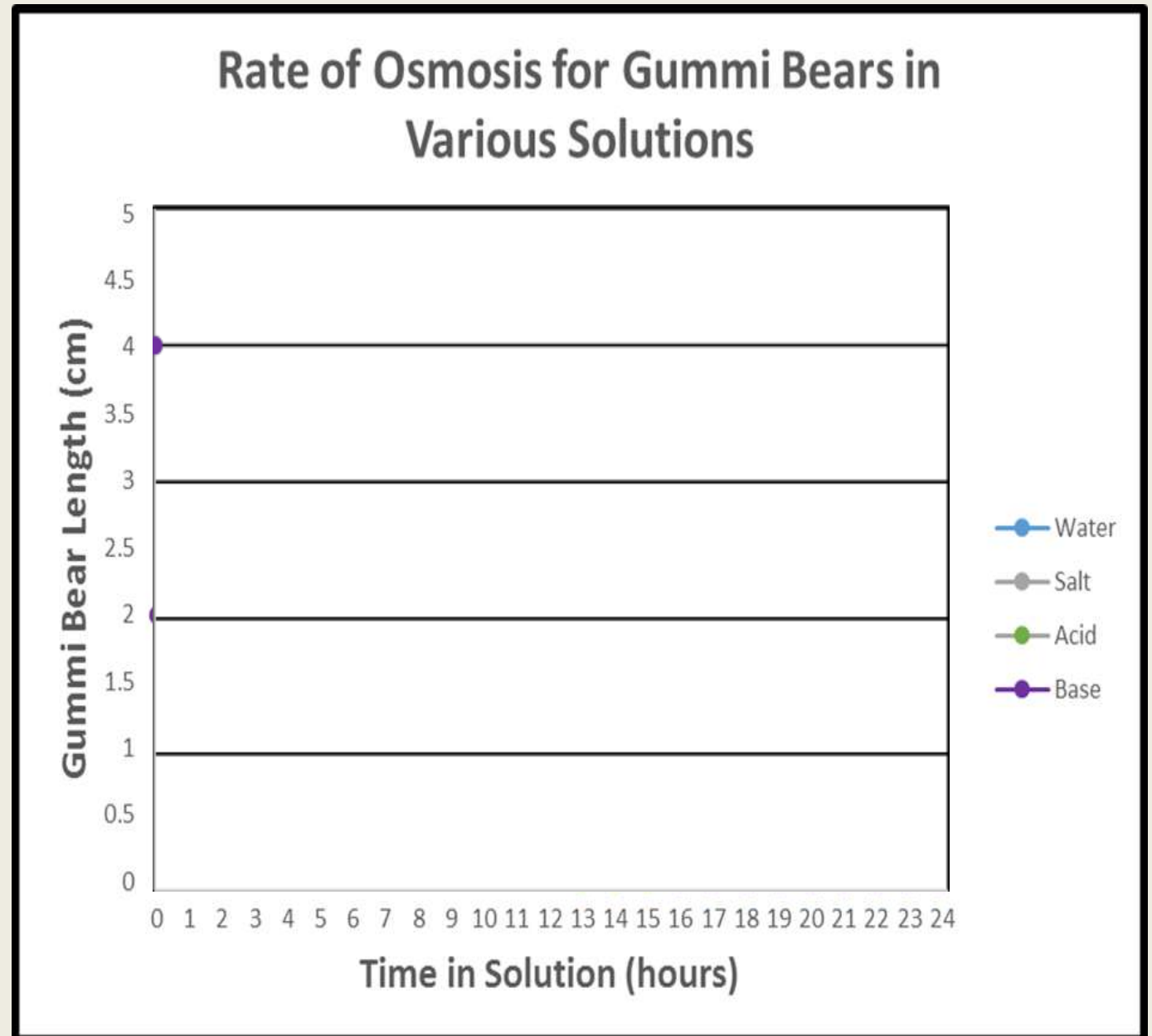
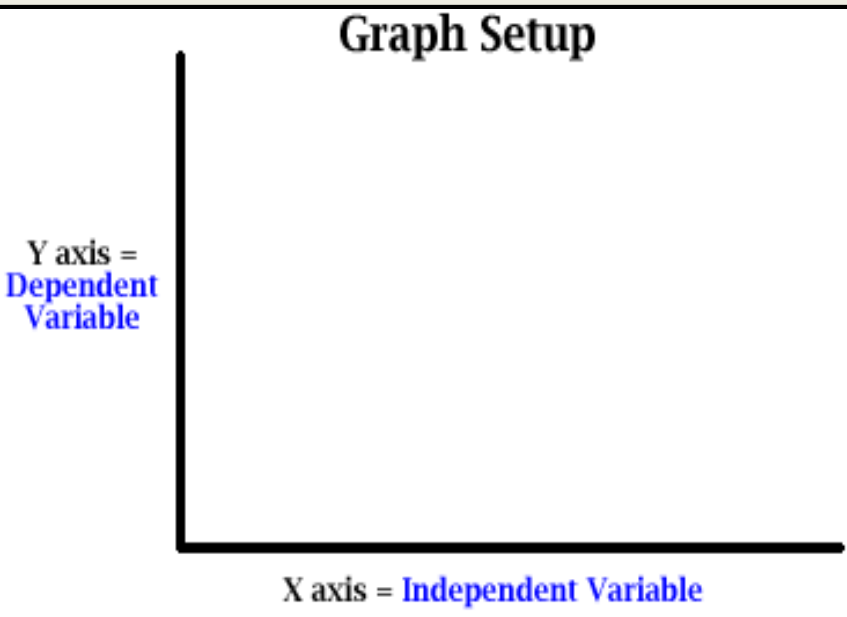
Re-Cord That Real Time Data Tracker – The Incredible Changing Gummi Bears!

Gummi Bear Name ☺+ Solution Placed In →				
<i>Real Time Data Tracker</i>	Length and Observations	Length and Observations	Length and Observations	Length and Observations
Start Time + Initial Predictions =				
1 Hour Later =				
2 Hours =				
3 Hours =				
4 Hours =				
5 Hours =				
6 Hours =				
7 Hours =				
8 Hours =				
9 Hours =				
10 Hours =				
11 Hours =				
12 Hours =				
13 Hours =				
14 Hours =				
15 Hours =				
16 Hours =				
17 Hours =				
18 Hours =				
19 Hours =				
20 Hours =				
21 Hours =				
22 Hours =				
23 Hours =				
24 Hours Later = STOP + Final Length & Observations =				

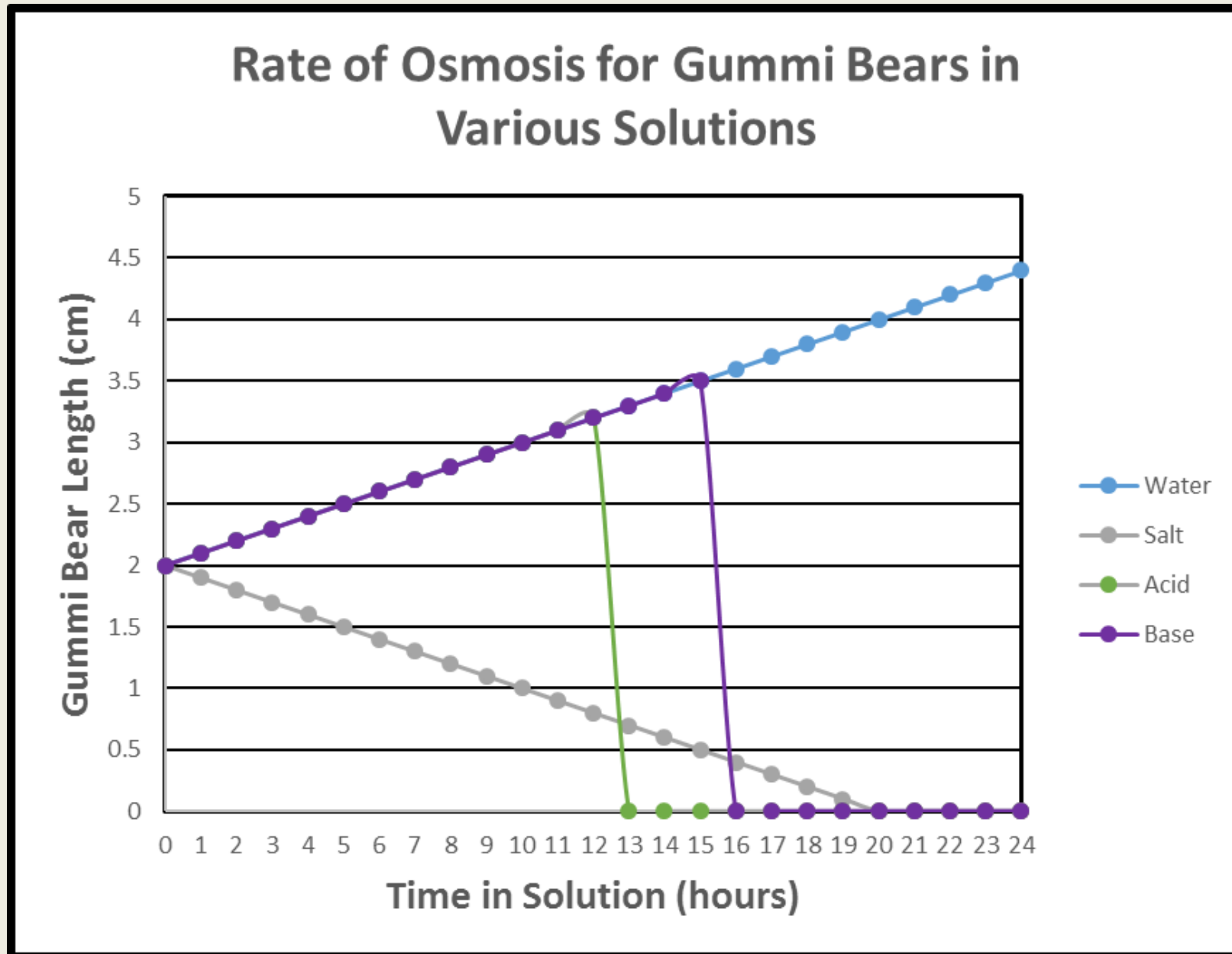
(cm/mm)



Data Collection Graph – The Incredible Changing Gummi Bears



Data Collection Graph – The Incredible Changing Gummi Bears



WEDNESDAY, APRIL 3rd

DO NOW

- In your notebooks, to be checked, solve this problem... There are 1000 parts per trillion (ppt) in 1 part per billion (ppb) and 1000 parts per billion in 1 part per million (ppm). These are units of Concentration!

Know:

$$1000ppt = 1ppb \quad 1000ppb = 1ppm$$

Asked: How many parts per trillion are in 7 parts per million?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = QP QUIZ BONUS = RANK the 3 Macronutrients (Protein/Carb/Fat) by their numbers of CALORIES, OR Describe the 6 kinds of QUARKS, OR Write the proper definition of a SALT!
2. Open books, **WORK** on today's **AO!**
3. ***HW** = Try to find us a class PET!

TODAY'S ACADEMIC OBJECTIVE

Today you will **ROCK** and **ROLL** your way to earning an A on our final Chemistry **QUIZ!**

THURSDAY, APRIL 4th

DO NOW

Know: Ecology is the study of organisms and their interaction with the environment.

Asked: Which effect of timber-harvesting on a bird species that thrives in open-spaces is **most likely**?

A: It increases the number of good habitats

B: It would reduce the number of edible bugs

C: It would remove debris in the forest

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!

- Today's **QP** = LIST and SKETCH 4 living and 4 nonliving things LOCATED near your neighborhood LANDFILL and then DEFINE the terms "Habitat", "Niche", "Biotic Factor" AND "Abiotic Factor"!

2. Open books, **WORK** on today's **AO**!

3. ***HW** = Bring-Ins HW Item + Try to find us a class PET!

TODAY'S ACADEMIC OBJECTIVE

Today you will **ENUNCIATE** Vocabilizable Terms in order to begin **CONVERSING** with **NATURE**!

FRIDAY, APRIL 5th

DO NOW

- In your notebooks, to be checked, solve this problem...

There are about 200,000 AU in 1 parsec and 3 light-years in 1 parsec. These are units of Astronomy!

Know:

$$200,000AU = 1pc \quad 3ly = 1pc$$

Asked: How many light-years are in 2 parsecs?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = SKETCH a group of 3 DIFFERENT land animals having a business meeting via FaceTime with 3 different SEA animals and then REDEFINE Species, Population, Community, AND Ecosystem!
2. Open books, **WORK** on today's **AO!**
3. ***HW** = Bring-Ins Lab HW Item + FINISH Volab Vocab Terms!

TODAY'S ACADEMIC OBJECTIVE

Today you will **ENUNCIATE** Vocalizable Terms in order to begin **CONVERSING** with **NATURE!**

Vocab Lab - Pg. 5, 19, 31, 43, 63, 75, 89, 101, AND 115

1. Students, LISTEN UP UP UP!

– There are 51 (OMG...FIFTY-ONE!?!?!?) vocabulary terms that you **MUST** define, **using the GLOSSARY** of your book, to get full HW credit!

- Be sure to NUMBER your terms for when I come and check them!
☺
- Don't worry though! We will have **TWO (2)** days in class to work on these AND there are no **BONUS Terms** to **DEFINE!**

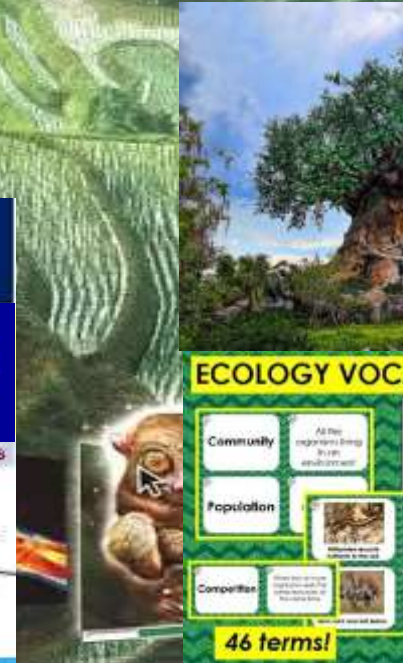
Producer	A living thing that eats only plants
Consumer	A living thing that eats both plants and meat
Herbivore	An environment and everything that lives in it
Carnivore	Model of how energy moves from producers to consumers
Omnivore	A living thing that makes its own food
Decomposer	An animal that lives on another animal, eating it to live
Symbiotic	A living thing that eats other living things for food
Parasite	A living thing that eats only meat
Ecosystem	Two living things that need each other to live
Food Chain	A living thing that breaks down dead material for food

Ecology



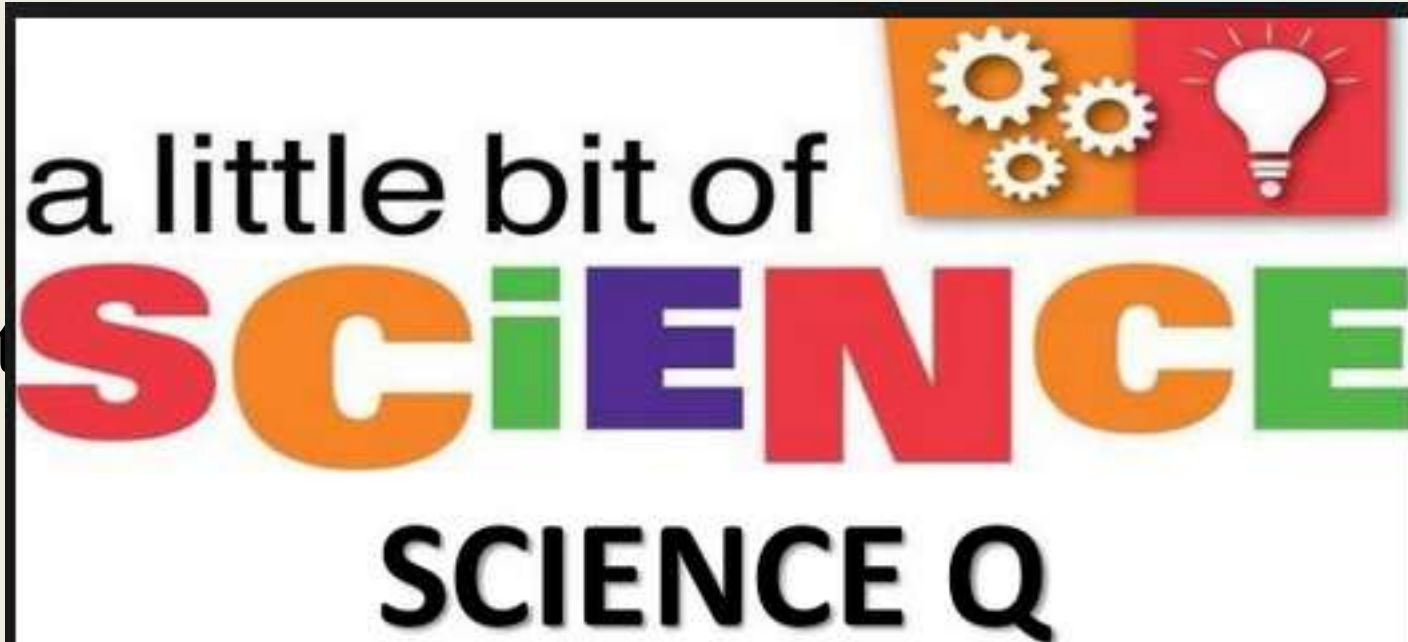
Ecology

• Definition: the scientific study of interactions among organisms and their environment



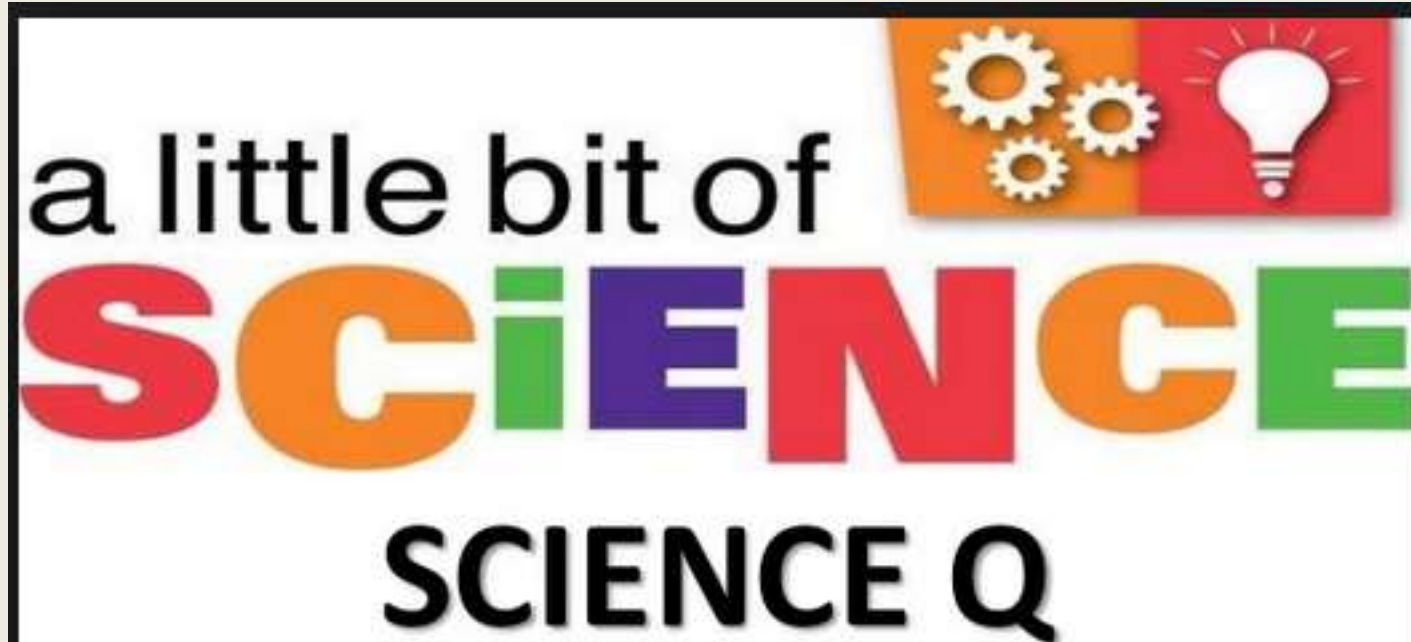
Bell 2 Bell

- We work what in this class?!?!?!
 - **BELL 2 BELL**
- Every single precious **SECOND** of academic instructional time is thus utilized in this classroom!
- You students will thus be vocally quizzed **EVERY DAY** until I **DISMISS** you at the end of class (with a positive greeting and a thank-you of course!).



Bell 2 Bell

- We work **BELL 2**
BELL in Mr. Floyd's class!
- I will thus quiz you about the science we learned today until the very end!
- Let us begin!



Tomorrow's Academic Objective and Plan

- Tomorrow you will ENUNCIATE Vocalizable Terms in order to begin CONVERSING with NATURE!
- *HW = Bring-Ins Lab HW Item!!!



Tomorrow's Academic Objective and Plan

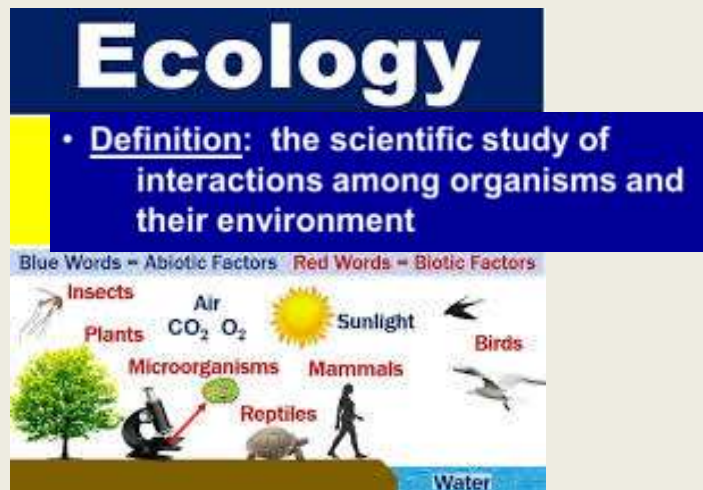
- Tomorrow you will ENUNCIATE Vocalizable Terms in order to begin CONVERSING with NATURE!
- *HW = Finish Volab Vocab Terms!

Ecology

• **Definition:** the scientific study of interactions among organisms and their environment

Blue Words = Abiotic Factors Red Words = Biotic Factors

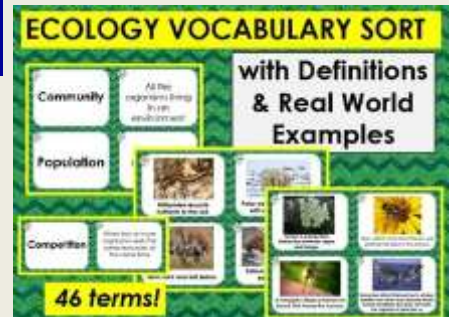
Insects Air Sunlight Birds
Plants CO₂ O₂ Microorganisms Mammals
Reptiles Water



ECOLOGY VOCABULARY SORT




with Definitions & Real World Examples

46 terms!



Ecology

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