

MONDAY, MAY 20th

DO NOW

There are just over 1 million cubic centimeters in 1 cubic meter and Density equals Mass divided by Volume. These are equations of Population Density!

Know: $1,000,000\text{cm}^3 = 1\text{m}^3$

$$D = \frac{m}{V}$$

Asked: What would be the Volume in cubic meters of a population of lichens with a Density of $150\frac{\text{g}}{\text{cm}^3}$ and Mass of 3,000,000,000 grams?

TODAY'S PLAN

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

▪ Today's **QP** = QP QUIZ PREP = CREATE 1 SCIENTIFIC MATH Style DO NOW Problem (feel free to even MAKE UP your own UNITS!) and then SOLVE IT using proper KA² FORMAT!

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

3. ***HW** = STUDY for SCI Math Quiz!

TODAY'S ACADEMIC OBJECTIVE

Today you will **PRACTICE** "Letting the Units Guide You" in order to **PREPARE** for our upcoming **SCIENTIFIC MATH QUIZ**!

TUESDAY, MAY 21st

DO NOW

• In your notebooks, to be checked, solve this problem...
There are 5 DO NOWs in 1 QP, 4 QPs in 1 Academic Objective, and 2 Bells in 1 QP. These are units of Student-Creation!

Know:

$$5DN = 1QP \quad 4QP = 1AO$$
$$2bells = 1QP$$

Asked: How many Academic Objectives (AO) can be accomplished in 48 bells?

TODAY'S PLAN

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

▪ Today's **QP = QP QUIZ BONUS** = For some BONUS points WRITE what FOUR of the following Scientific Formulas are for; $F = ma$, $W = Fd$, $E = mc^2$, $D = \frac{m}{V}$, $P = \frac{F}{A}$, $I = \frac{V}{R}$ and then **CREATE** another **DO NOW Scientific Math PROBLEM!**

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

3. ***HW = Read & Do Pg. 46-47!**

TODAY'S ACADEMIC OBJECTIVE

Today you will "Let the Units Guide You" in order to **DOMINATE** today's **SCIENTIFIC MATH QUIZ!**

WEDNESDAY, MAY 22nd

DO NOW

Know:



Asked: How does this bird **most likely** obtain its food?

A: It uses its beak to catch fish in rivers

B: It uses its beak to crack seeds and shells

C: It uses its feet to collect nectar in flowers

TODAY'S PLAN

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

- Today's **QP** = QP BOOK REVIEW = SKETCH two ANIMALS (or Plants!) DUKING it out over some food and then REDEFINE the terms "Cooperation", "Competition", "Predator", and "Prey"!

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

3. ***HW** = Read & Do Pg. 48-49!

TODAY'S ACADEMIC OBJECTIVE

Today you will **OBSERVE** the many **INTERACTIONS** between and within **SPECIES**!

FRIDAY, MAY 24th

DO NOW

Know: Ravens often live near wolves and help lead them to prey.



Asked: Which word **best** describes the possible relationship between Wolf & Raven?

- A:** Mutualist **B:** Parasite-Host
C: Producer

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = QP BOOK REVIEW = SKETCH 2 Animals OR Plants working together to SURVIVE, then REDEFINE "Cooperation", "Symbiosis", "Mutualism", "Commensalism", and "Parasitism"!
2. Open books, **WORK** on today's **AO**!
3. ***HW** = Read & Do Pg. 50-51!

TODAY'S ACADEMIC OBJECTIVE

Today you will **OBSERVE** the many **INTERACTIONS** between and within **SPECIES**!

THE SGS - STUDY GUIDE SLIDE – ECOLOGY BASICS QUIZ

• Students must KNOW:

1. What is Ecology? What are the “levels of Ecological Organization” ordered from smallest to largest?
2. What is a Limiting Factor? What is Carrying Capacity? What are examples of Biotic and Abiotic Factors that could lead to Competition and/or reduced Population Growth?
3. What is a Producer, Consumer, Decomposer, Herbivore, Carnivore, and Omnivore?
4. What are examples of the four main species interactions (Cooperation, Competition, Predation, & Symbiosis) and three types of Symbiosis (Mutualism, Commensalism, & Parasitism) and how are they different?

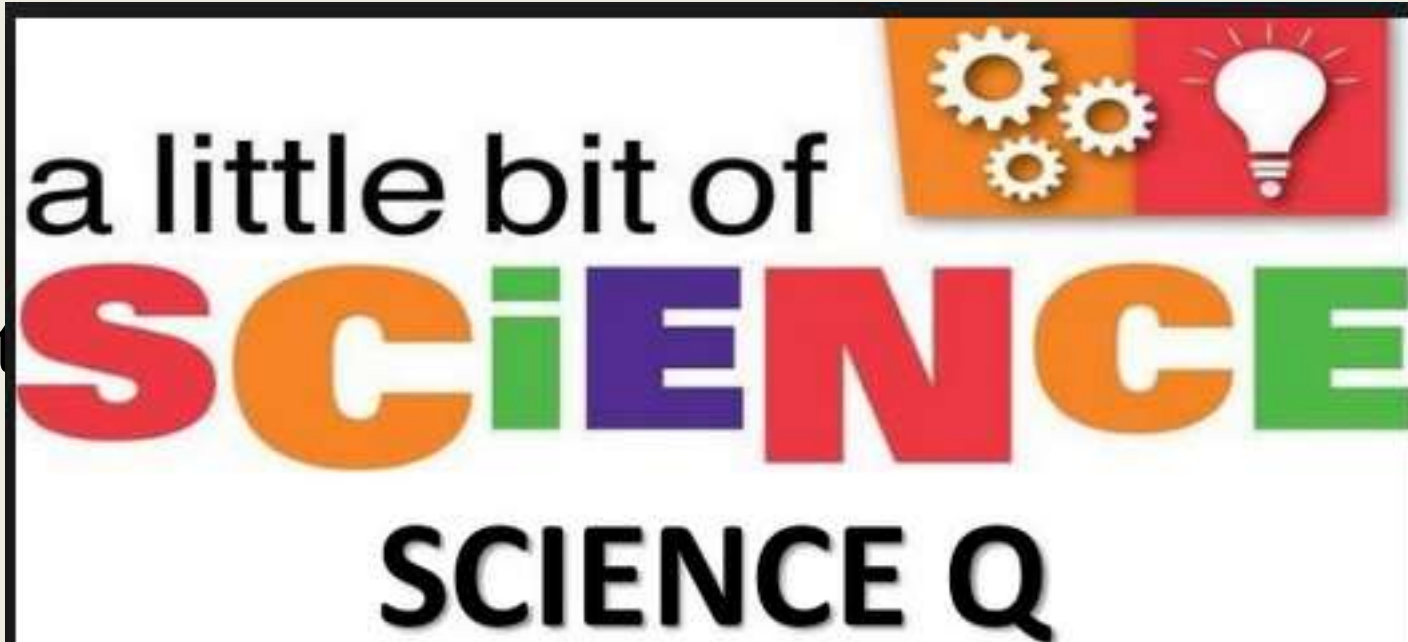
• Students must be able to DO:

1. Contrast a Habitat & Niche and the difference in reading a Food Chain & Food Web.
2. Identify and Graph a “Predator VS Prey” Graph.
3. Compare and Contrast “K” and “R” Species.
4. Describe the climate, location, issues, and other characteristics of the 6 Major Land Biomes.



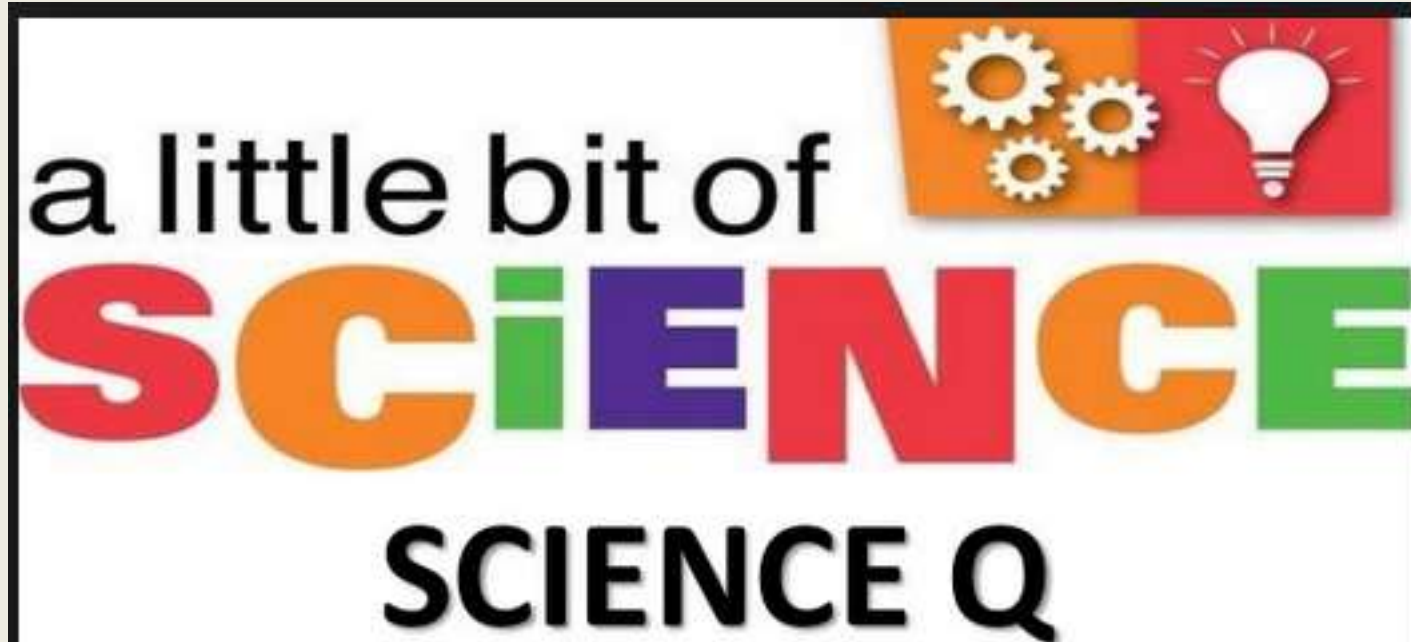
Bell 2 Bell

- 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!

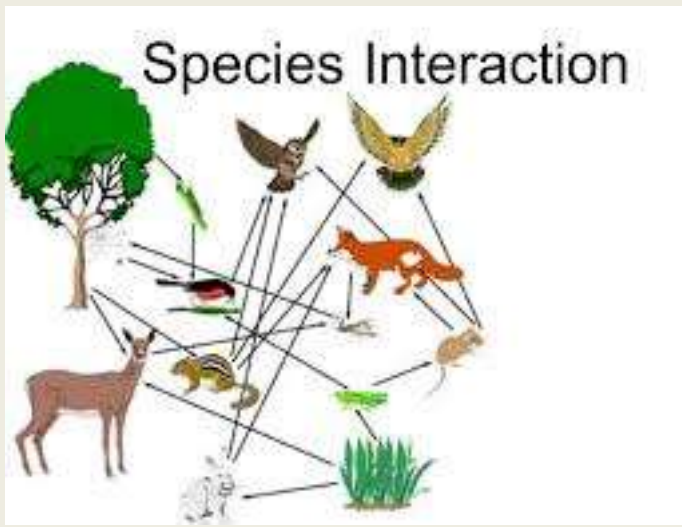


Tomorrow's Academic Objective and Plan

- Tomorrow you will OBSERVE the many INTERACTIONS between and with SPECIES!



- *HW = Read & Complete Pg. 50-51!



sapling learning Types of Interactions

• Predation	😊	😞
• Commensalism	😊	😐
• Parasitism	😊	😞
• Mutualism	😊	😊
• Competition	😞	😞

Symbiosis – a close ecological relationship between two species

- **Types of symbiosis**
 - Mutualism
 - Commensalism
 - Parasitism

Commensalism
One species benefits and the other is neither helped nor harmed.
😊 - 😐
Ex: barnacles on a whale



Parasitism
One species benefits and the other is harmed.
😊 - 😞
Ex: fleas on a dog



Mutualism
Both species benefit.
😊 - 😊
Ex: insects and flowers

