

MONDAY, APRIL 8th

DO NOW

Know:

Behaviors of Freshwater and Saltwater Fish

Freshwater Fish	Saltwater Fish
do not drink water	drink seawater
produce large amounts of dilute urine	produce very little urine

Asked: How do the tabulated behaviors **most likely** help fish to survive?

A: By allowing them to conserve heat

B: By providing energy to their cells

C: By maintaining water balance in their body

TODAY'S PLAN

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

▪ Today's **QP** = QP BOOK REVIEW = REDEFINE the term "Biome" and then use Pg. 8-9 as a guide to SKETCH the sample "Ecosystem" and then LABEL the "4 Levels of Organization" within it!

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

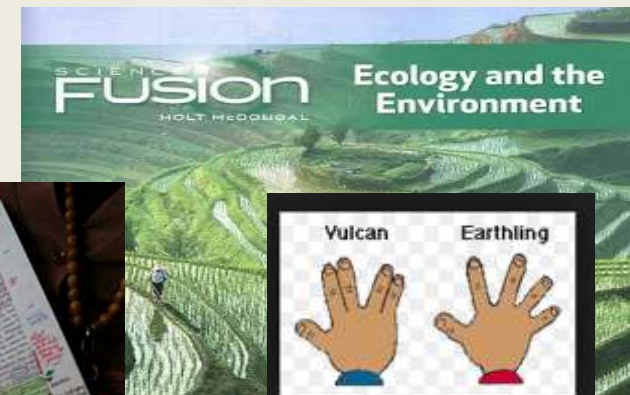
3. ***HW** = Read & Do Pg. 4-9!

TODAY'S ACADEMIC OBJECTIVE

Today you will **CREATE** Environmental Trackers in order to **STUDY** Ecology in action within our **WORLD**!

Yesterday's Homework Review

- *HW = Finish Volab Vocab Terms!!!
 - 55 was NO match for our SCIENTIFIC MINDS!!!



Ecology

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

Blue Words = Abiotic Factors Red Words = Biotic Factors

Insects

Air

CO₂ O₂

Sunlight

Birds

Plants

Microorganisms

Mammals

Reptiles

Water

ECOLOGY VOCABULARY SORT

with Definitions & Real World Examples

Community

All the organisms living together in an area

Population

Group of individuals of the same species living in the same area

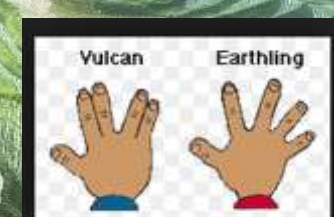
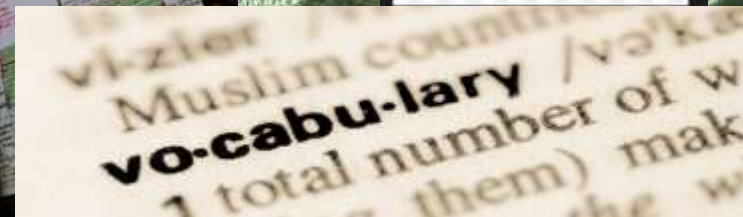
Competition

Struggle between organisms for limited resources

46 terms!

Ecology

- 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



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!**

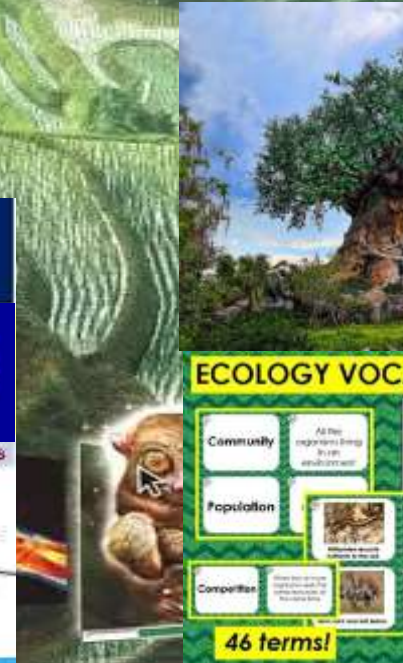
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Ecology



Ecology

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



Yesterday's Homework Review

- *HW = Work on Eco Stone Painting!!!
 - DO NOT HIDE THESE UNTIL WE GET A CLASS PICTURE!!!



If found, take a picture and TWEET it to @ChefFloydsRocks on TWEET picture to @ChefFloydsRocks and then REHIDE!



Bring-In's Lab Steps – Chef Floyardee's Rocks

1. First, LOOK UP and JOT-DOWN just what on EARTH Ecology even is!
2. We are going to MODEL Ecology aka how living things INTERACT with their environment by making some painted ROCKS to act as Ecological TRACKERS!
3. Before you can paint though you must first RESEARCH and SKETCH just what it is that you want on your ROCK to make it STAND OUT!
 - You can paint ANYTHING POSITIVE you want on your rock, but you must ALSO paint-in one of our Ecology Vocab Terms as a #Hash-Tag (See examples, but no repeats in one class!) and TRY to relate what you paint to your word!
4. Then all you have to do is WASH your rock AKA your ECO STONE, PAINT the front of it, and then WRITE our “class tag” message on the BACK!
5. Finally, go and HIDE your rock somewhere AWESOME, and let the study of ECOLOGY begin!

Ecology

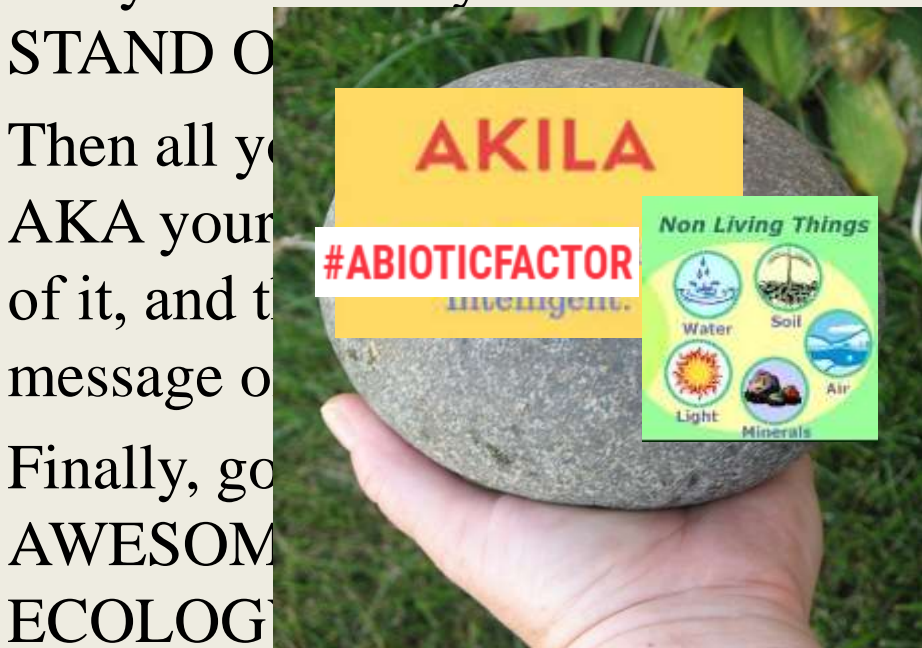
- Definition: the scientific study of interactions among organisms and their environment



If found, take a picture and TWEET it to @ChefFloydsRocks on TWITTER and then

Bring-In's Lab Steps – Chef Floyardee's Rocks

- 1.
- 2.
- 3.
- 4.
- 5.



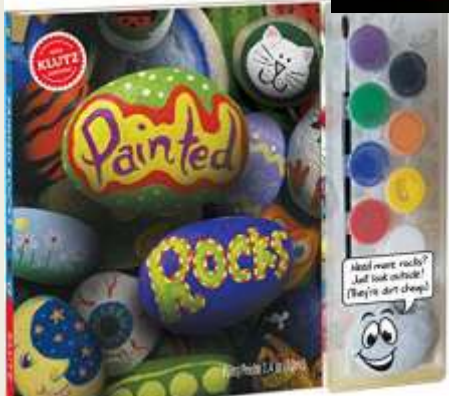
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#ECOLOGY

Ecology

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



If found, take a picture and TWEET it to @ChefFloydsRocks on TWITTER and then

Steps – Chef Floyardee's

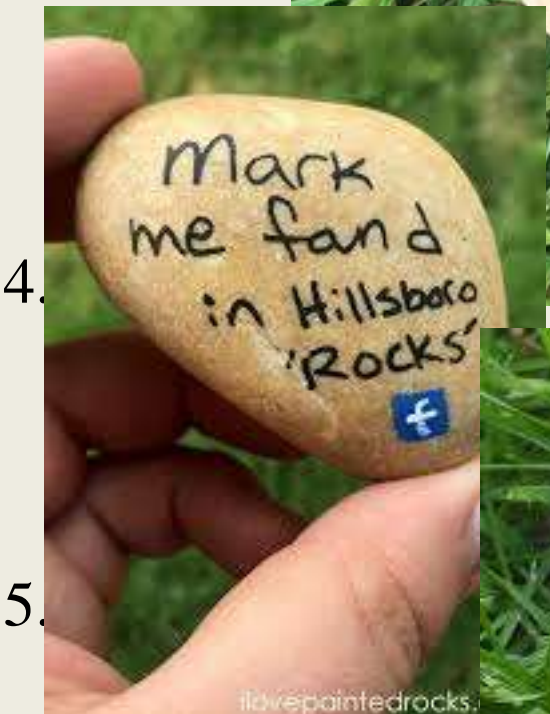
GET DOWN just what



3. Before



- Where can I find rocks?
- Do rocks need to be cleaned?
- What type of paint should I use?
- What type of brush should I use?
- Can I use Sharpies on rocks?
- How do I protect painted rocks?
- Where do I find ideas for painted rocks?



4.



5.



Rock Painting Tips for Beginners

If found, take a picture and TWEET it to @ChefFloydsRocks on TWITTER and then

Bring-In's Lab Steps – Chef Floyardee's Rocks

File Edit View History Bookmarks Tools Help

how to draw alf - Google Search x Chef Floyardee's Rocks (@ChefFloydsRocks) x +

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Chef Floyardee Science
@ChefFloydsRocks
Science Teacher
United States
cheffloyardee.github.io
Joined February 2019

Send your first Tweet

We've got you covered and here's how to get started.

NOTE: As these are posted to the page, I will PIN the Tweet with a definition/graphic of the

Trends for you · Change

- #YoureTheWorst 3,001 Tweets
- Reyes 24.4K Tweets
- #STAR 26.5K Tweets
- Erik Gonzalez

others find

Tweet

Start

5:12 AM 4/4/2019

TUESDAY, APRIL 9th

DO NOW

- In your notebooks, to be checked, solve this problem...
There are about 27 days in 1 Moon day and a bit over 54 days in 1 Mercury day. These are units of Planetary Time!

Know:

$$27\text{days} = 1\text{moonDay}$$

$$54\text{days} = 1\text{mercDay}$$

Asked: How many Moon days are in 4 Mercury days?

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = DRAW yourself in 20 years at your future JOB and HOUSE and then use Pg. 10-13 to DESCRIBE the BIOME, HABITAT, and NICHE belonging to a PRARIE DOG and LIZARD!
2. Open books, **WORK** on today's **AO!**
3. ***HW** = Read & Do Pg. 10-15!

TODAY'S ACADEMIC OBJECTIVE

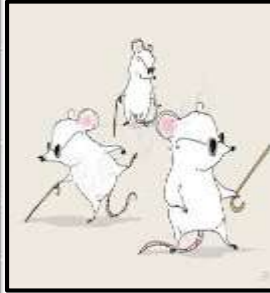
Today you will **CREATE** Environmental Trackers in order to **STUDY** Ecology in action within our **WORLD!**

WEDNESDAY, APRIL 10th

DO NOW

Know:

Trial	Time (seconds)		
	Mouse 1	Mouse 2	Mouse 3
1	58	52	67
2	54	50	65
3	53	49	61



Asked: 3 Blind Mice complete a maze three times. Which is **best** supported by the data?

- A:** More practice only helped Mouse 3
- B:** More practice reduced their times
- C:** More practice helped Mouse 1 the most

TODAY'S PLAN

1. Do and review the **DO NOW** and **Qualitative Prompt (QP)**!
 - Today's **QP** = Using your VOCAB, CREATE an ECOSYSTEM containing 1 COMMUNITY and 3 POPULATIONS of 3 DIFFERENT Species & then LABEL 3 ABIOTIC Factors within!
2. Open books, **WORK** on today's **AO!**
3. ***HW** = Finish PSSA Packet #1!

TODAY'S ACADEMIC OBJECTIVE

Today you will **CREATE** Environmental Trackers in order to **STUDY** Ecology in action within our **WORLD!**

THURSDAY, APRIL 11th

DO NOW

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

There are 60 rpm in 1 Hertz and about 10 rpm in 1 rps. These are units of Planetary Motion!

Know:

$$60rpm = 1Hz \quad 10rpm = 1rps$$

Asked: How many revolutions per minute (rpm) are in 20,576 Hertz?

TODAY'S PLAN

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

- Today's **QP** = QP PSSA PREP = WRITE 1 sentence using the words "Which of the following is most" and then ANSWER the Open-Ended PSSA Question on Pg. 20 of your Open-Ended Packets!

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

3. ***HW** = Complete PSSA Packet #2!

TODAY'S ACADEMIC OBJECTIVE

Today you will **TUNE UP** your Scientific Knowledge and Skills in order to **ROCK** the PSSA!

FRIDAY, APRIL 12th

DO NOW

Know: The term “ecological” refers to the effects of organisms on each other and their surroundings.

Asked: What could be a negative long-term ecological effect of pesticide use?

A: Pest species would decline in population

B: The type of pesticides used would increase in cost over time

C: Pests that survive can develop a resistance

TODAY’S PLAN

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

- Today’s **QP** = QP PSSA PREP = WRITE 1 sentence using the words “Which option is not” and then ANSWER the Open-Ended PSSA Question on Pg. 31 of your Open-Ended Packets!

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

3. ***HW** = Finish PSSA Packet #3!

TODAY’S ACADEMIC OBJECTIVE

Today you will **TUNE UP** your Scientific Knowledge and Skills in order to **ROCK** the PSSA!