

A note about drinks, snacks, candy, & gum ...

You are allowed to have a clear water bottle with ONLY water. You may have other beverages if it is a reward/prize from a teacher or for the class.

You are NOT allowed to eat snacks or candy during my class unless it is a special reward time or prize from me.

You will be allowed to chew gum during my class AS LONG AS I don't find it on the floor, under the tables/seats, or anywhere else it doesn't belong. Too much gum? Gum page time!

Things to do ...

Glue the Unit 1 Learning Targets page 5 (FAF - fold a flap) of your HDSN.

We will be learning about the items on this page throughout the first unit.

Some of them you may remember from last year, while others will be new ones for this year.

Unit Vocabulary

Glue the Unit 1 Vocabulary list on page 4 (FAF - fold a flap) of your HDSN.

Look through the list of vocabulary words – front and back.

Rate each one based on what you know:

- © I know it and can write a scientific definition.
- ☺ I have heard it, but cannot write a definition.
- \odot I don't know it.

You do NOT need to write any definitions right now. We will do that as we discuss the words during our lessons.

Thursday, 8/25 A note about notes ...

IF your notes are NOT DONE, you need to listen as we go over the notes and then complete them on your own time! It is not a free answer time! You can use the class notes to check your answers after you show me you are done!

IF your notes are DONE, you should make corrections or additions as we discuss the notes in class. Everything should be spelled correctly and everything should be completed to help you when we take note quizzes or you need to study for a quiz/test.

Lesson 1

- 1. What term refers to living things? **ORGANISM**
- 2. Complete these statements about living things:

• Living things have a cellular organization, with <u>UNICELLULAR</u> organisms having only one cell, while those with many cells are called <u>MULTICELLULAR</u>.

Do you remember the levels of organization? Cells make up <u>TISSUES</u>, which make up <u>ORGANS</u> that work together to make <u>ORGAN SYSTEMS</u> to support an <u>ORGANISM</u>

2. Complete these statements about living things:

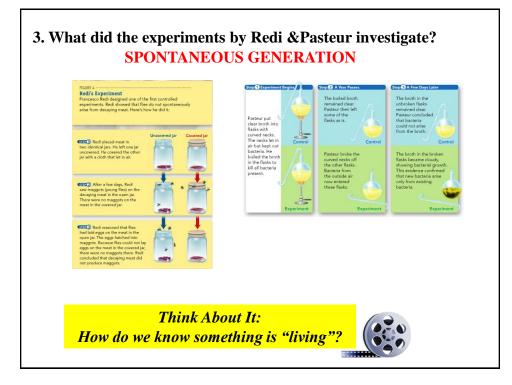
• They contain similar chemicals, such as <u>CARBOHYDRATES</u> (for energy), <u>PROTEINS</u> and lipids (for building cells), and <u>NUCLEIC</u> acids (genetic material).

• Use <u>ENERGY</u> that they get from taking in and breaking down materials at a rate dependent on their <u>METABOLISM</u>.

• Respond to <u>STIMULI (stimulus</u>) in their environments, such as changes in light, sound, and other factors

• Go through a process of <u>**DEVELOPMENT**</u> as they change and become more complex.

• Reproduce either <u>ASEXUALLY</u> (one parent) or <u>SEXUALLY</u> (two parents).

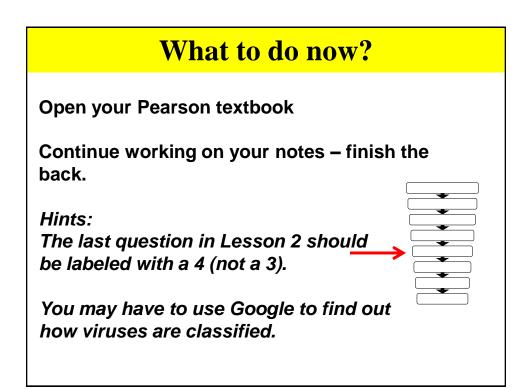


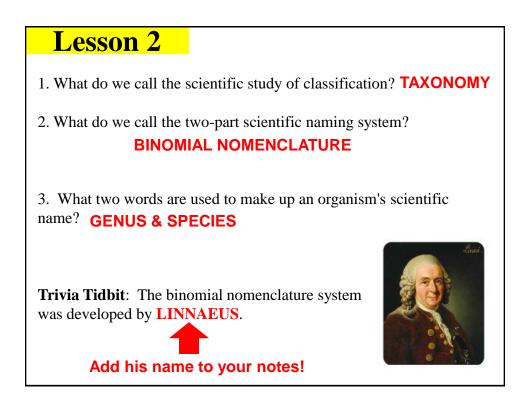
4. What is the difference between autotrophs and heterotrophs? Give an example of each.

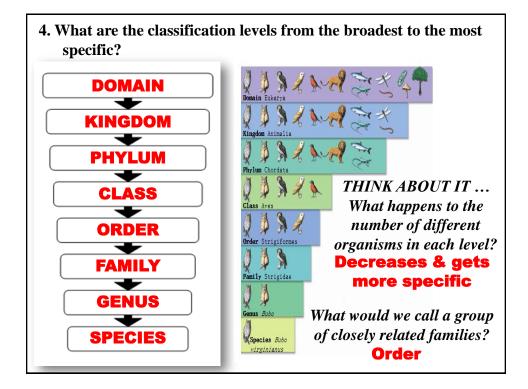
Autotrophs are organisms capable of making their own food, such as plants. Heterotrophs must eat other organisms for energy, such as animals.

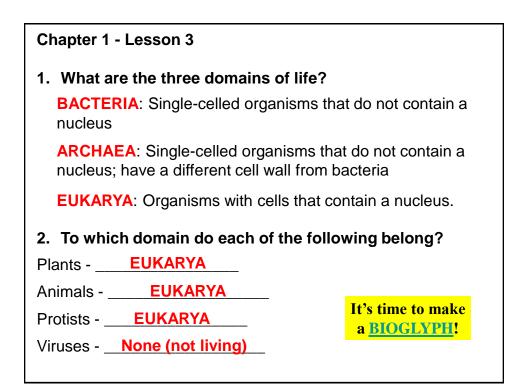
5. Besides food, what are the three other things living things need to survive? <u>WATER</u>, <u>LIVING SPACE</u>, and stable internal conditions (also called <u>HOMEOSTASIS</u>)

It's time to make a **<u>BIOGLYPH</u>**!









Day 2: Bioglyph Challenge

Can you identify your classmates?

To complete this challenge:

1-Ask questions (yes/no only) to help you identify your classmates.

NOTE: You cannot ask, "Is this your bioglyph?", "Are you #3?", or similar questions.

2 - Use "whisper" voices and don't give away any answers. Also keep your worksheet hidden!

3 - When you know a match, write the person's name on your worksheet on the line with the same number that is on their bioglyph page.

4 -After the time is up (10 mins), we will check your answers to see how many people you were able to match.

5 - Answer the questions on the back of the worksheet.

Discussion Questions – Complete on the back of your challenge page & then turn it in.

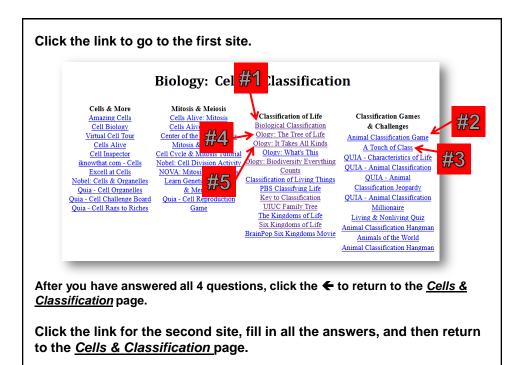
1) How many classmates were you able to identify? _____

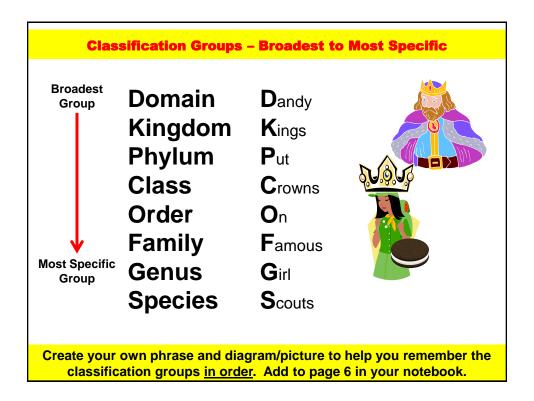
2) If you could only ask three questions for each classmate, what would they be?

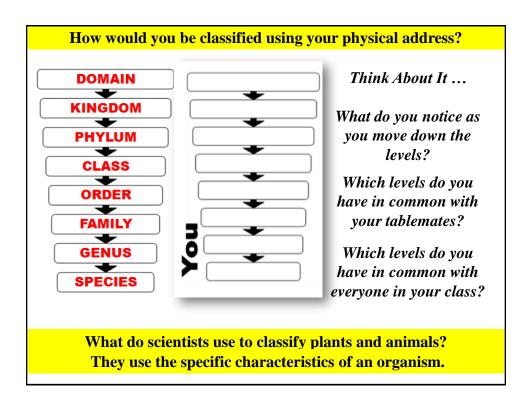
3) Were you able to identify some people without asking them any questions? If so, how?

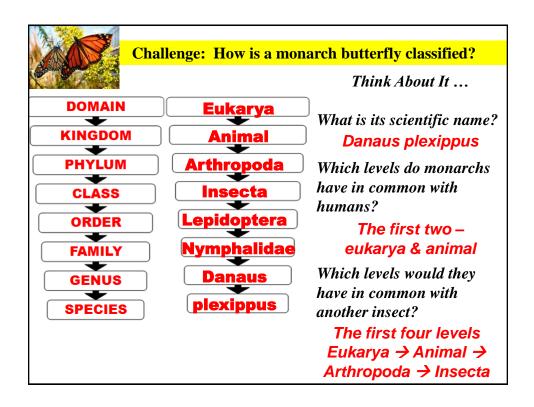
4) What type of characteristics do scientists use to classify living things?

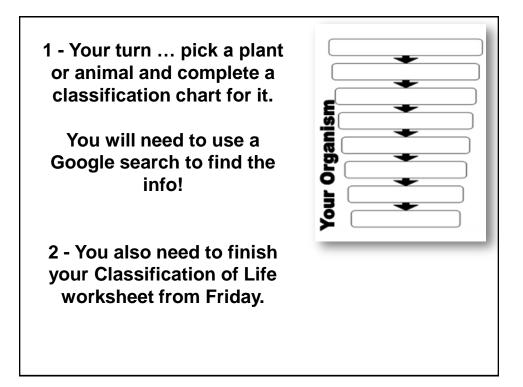
Glue the worksheet on	Classification of Life	Name	
page 6 (fold-a-flap).	Go to http://sciencespot.net/ and click Click the link for <u>Cells & Classification</u> for this assignment.	the <u><i>Kid Zone</i> log</u> o. <u>n</u> in the <i>Biology</i> section to find the s	sites
	Site #1: Biological Classification		
		1.4.0	
	1. What does the word "species" mean it		and
	2. What two terms are used for an organ		
	3. What is the scientific name for a red r	•	
	4. What do all trees in the Dicotyledone	ae subclass have in common?	
	Site #2: Animal Classification Gar	ne	
	1. Click the link for "ANIMAL CLASSE	S" to help you identify each animal gr	oup by its description.
	A collection of reso	Spot's Kid Za urces for students	Coogle" Custom Search
Go to mrstomm.com and click	What	do you want to expl	ore?
Go to mrstomm.com and click Science Spot Kid Zone.	Biology Cells & Classification	do you want to explo Chemistry Matter & Atoms	Other Topics Forensic Science Page 1
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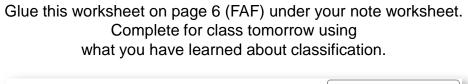












. What are the eight classification groups from broadest (TOP) to the most pecific (BOTTOM)? Fill in the boxes at right.	
Vord Bank: Family, Domain, Phylum, Genus, Order, Class, Species, Kingdom	
2. Answer these questions about classification.	
A. Which level is divided into eukarya, archaea, and bacteria?	
3. Which level has the largest number of different organisms?	
C. Which level is divided into 6 groups including plants & animals?	
D. Which level has only one type of organism?	
E. Where would you find more organisms: a class or a phylum?	
7. What do we call a group of related orders?	
G. An organism's scientific name is made using the &	
I. A house cat's scientific name is <i>Felis catus</i> . What's its genus?	

Term	Rating	Definition
Animals		Deminion
Autotrophs		
Bacteria		
Binomial nomenclature		
Cell		
Classification		
Eukaryote		
volution		
ungi		

Term	Rating	Definition
Genus		
Heterotrophs		
Homeostasis		
Kingdom		
Metabolism		
Order		
Organism		
Plants		
Prokaryote		
Protist		
Protozoan		

Term	Rating	Definition
Reproduction		
Scientific name		
Species		
Taxonomy		
Virus		