

Make a copy of the following document or access on Google Classroom.

Essential Questions:

1. What does it mean to be living?
2. What are ways to determine if organisms are the same species?

Please read the article "What's in a Name?" from the Macro to Micro text ([click to access here](#)) and respond to the questions below:

1. What is taxonomy and who is the scientist that introduced it?

2. Why do scientists use Latin and Greek terms to create names for newly discovered organisms?

3. How many "layers" are there in the naming system? Please list each layer below.

4. Can you come up with mnemonic device to remember the different layers? (Hint - Please Excuse My Dear Aunt Sally - for PEMDAS).

Carolus Linnaeus System of Classification: Can you make a saying out of the words?

K P C O F G S

5. How many Kingdoms are there currently? Were there always this many? Explain.

6. How many species are on Earth? Is there anything that surprises you about this information? What are some surprising facts that you came across?

[Use the following link from Science Daily to guide your research - Click here to access](#)

7. Find the scientific names for the following organisms.

Common Name	Scientific Name (<i>Genus species</i>)
Black worm	
Earth worm	
Wow bug	
Oriental bittersweet	
Rockweed (seaweed)	
green algae	
soft shell clam	
European green crab	

Vocabulary:

Taxonomy:

Nomenclature:

Binomial Nomenclature: