

Biological Classification

Introduction

Using a laptop (or together with your teacher), complete the EXPLORE on pages 264 in the Marine Science: The Dynamic Ocean textbook.

**Leave room for a 7th column (Group). You will fill this in later.*

Organism Name	Sketch	Autotroph or Heterotroph?	Unicellular or Multicellular?	Prokaryotic or Eukaryotic?	Other Characteristics or Interesting Facts

Biological Classification

Mod 8-2 Curriculum

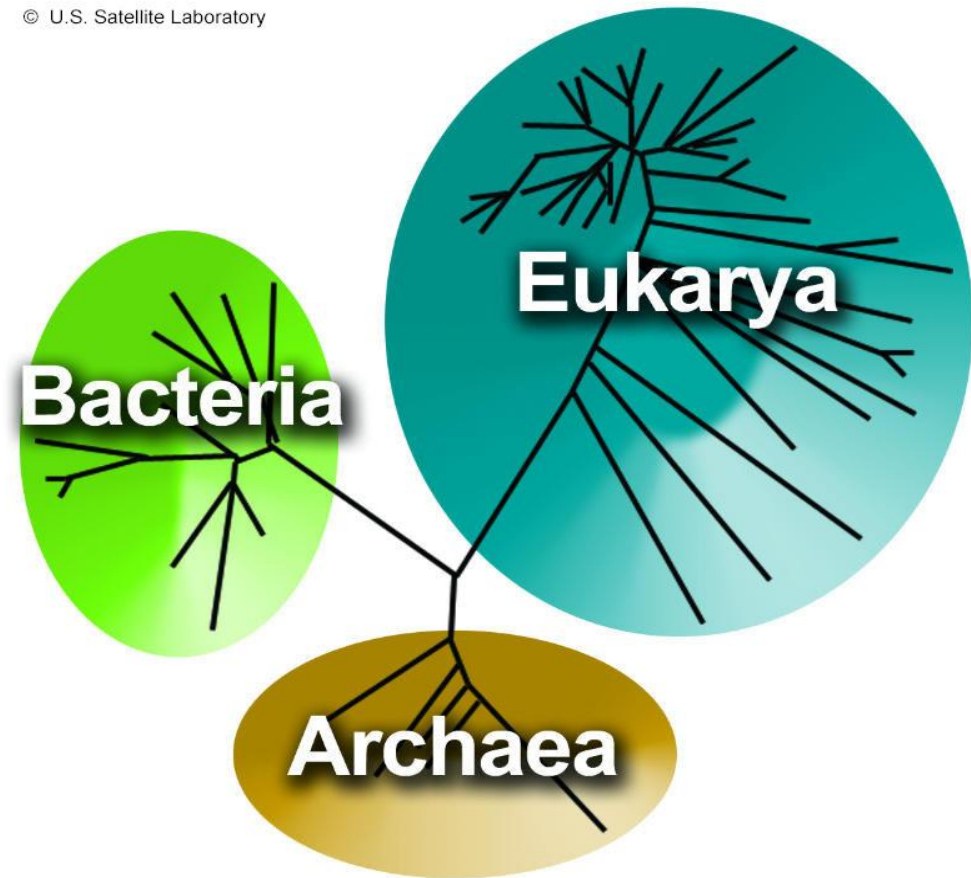
Standards: SC.912.N.1.2, SC.912.N.1.5,
SC.912.15.4, SC.912.15.6

Essential Question: How are marine organisms classified according to their similarities and differences?

Objectives:

- (1) Describe the system of classification used by biologists
- (2) Classify organisms based on their characteristics
- (3) Analyze the similarities and differences between major groups of organisms
- (4) Explain how the structures of marine organisms support their functions

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Explicit Instruction

Starting on page 270 in the Marine Science: The Dynamic Ocean textbook take Cornell Notes on Biological Classification (pp. 270 – 271) and The Tree of Life (pp. 276 – 277).

You have been provided the Q's. You fill in the notes and write the summary. Be sure to hit on the vocabulary words (**bold print**).

QUESTIONS	NOTES
How are living things classified?	
How does the “Tree of Life” serve as a symbolism of biological relationships?	
SUMMARY:	

Biological Classification

Guided Practice

Read pages 272 – 276 in the Marine Science: The Dynamic Ocean Textbook. Complete the table to the right (Q1 p. 272) as you read. When you finish complete Q2 p. 276 with the knowledge you have gained.

Group	Category					
	Plants	Animals	Fungi	Protists	Monera	Archea
Cell Structures?						
Autotrophs or Heterotrophs?						
Unicellular or Multicellular?						
Eukaryotic or Prokaryotic?						
Examples: Land and freshwater						
Examples: Marine						

Biological Classification

Independent Practice

Complete the Evaluate on page 285 in the Marine Science: The Dynamic Ocean textbook.

Use technology if necessary to answer questions 3 & 4.

