

Today's goals....

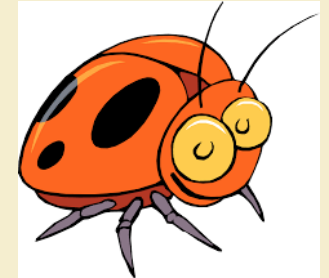
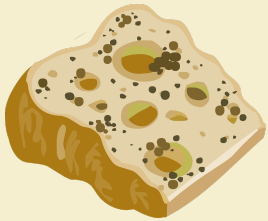
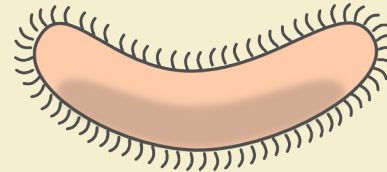
- *To describe 2 kingdoms*

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Mini Quiz: Daily
Topic Quiz: Friday
Unit Exam: 11/22

5 Kingdoms



Animals

Plants

Fungi

Protists

Monera

1. How many kingdoms did scientists initially divide organisms into?

2

2. What is the cell number for Animals (Multicellular/ Unicellular)?

Multicellular

3. What is the cell number for Plants (Multicellular/ Unicellular)?

Multicellular

4. What is a eukaryote?

A cell that contains a nucleus

5. If we know what a eukaryote is what would a *prokaryote* mean?

A cell that lacks a nucleus

6. Above in our reading, what are the three way we identify animals and plants (*hint: what's bolded*)?

Cell Type, Cell Number and Energy Source

7. What makes animals different from plants?

Energy Source

Organisms are placed into Kingdoms based on their:

1. Cell type (prokaryote/eukaryote)
2. Their ability to make food (autotroph/heterotroph)
3. The number of cells in their body (unicellular/multicellular)

5 Kingdoms of Life

Plants

Animals

Fungi

Protists

Monera

A. Plants

- Number of cells: Multicellular
- Cell type: Eukaryotic
- Energy source: Autotrophic
 - Photosynthesis

Ex. Grass, Trees and Flowers

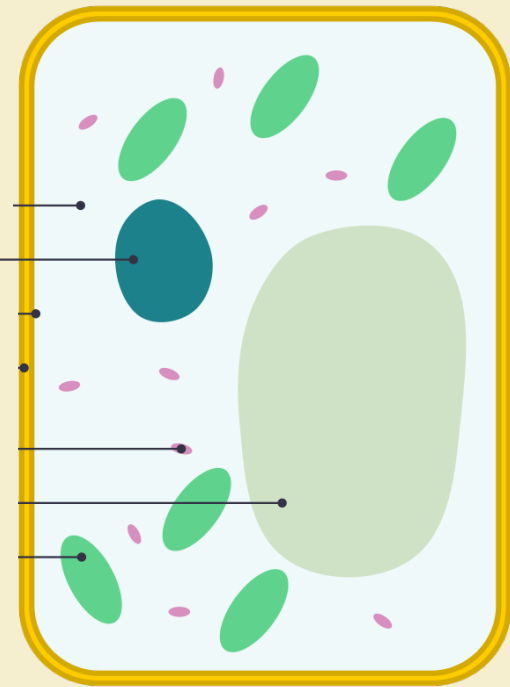


A. Plants

- Cell type: Eukaryotic (Cell has a nucleus)



Nucleus



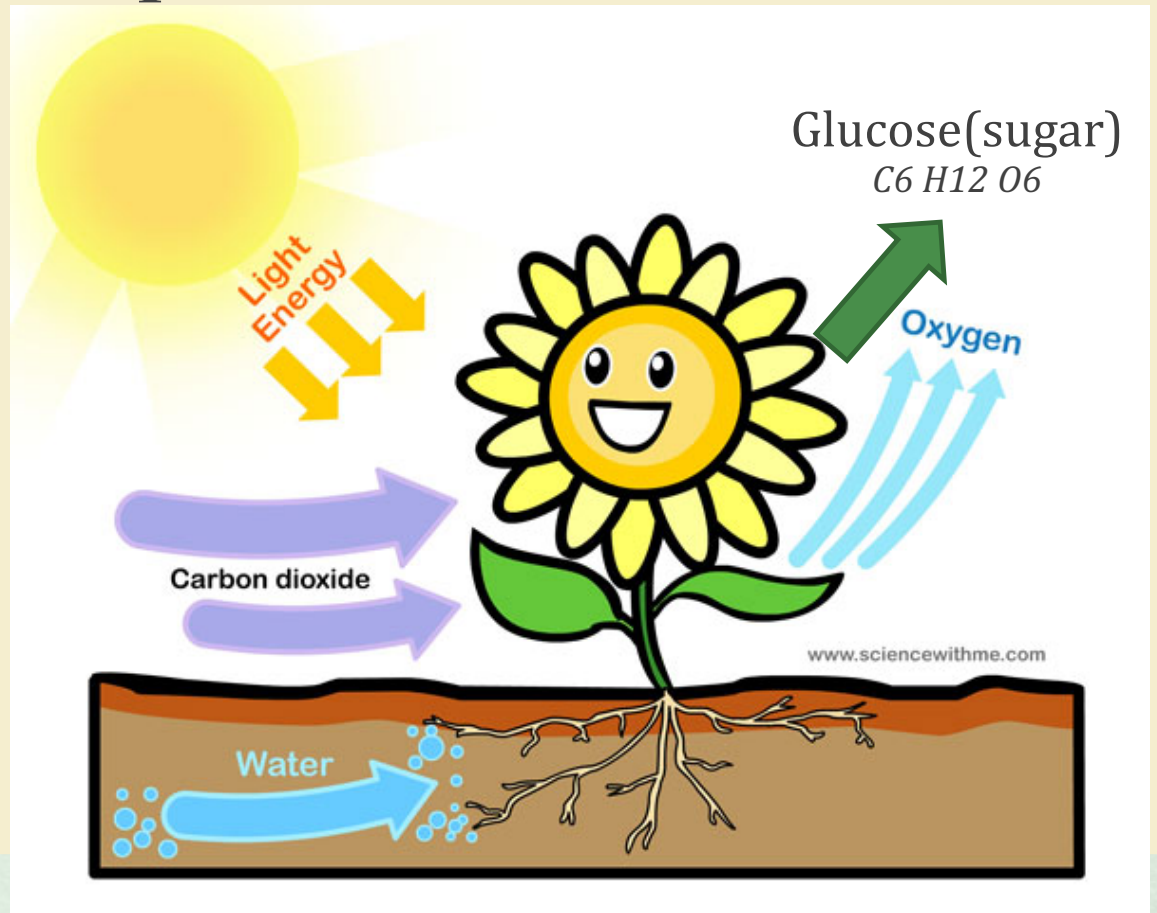
A. Plants

- Number of cells: Multicellular



A. Plants

- Energy source: Autotrophic
- Photosynthesis



5 Kingdoms of Life

✓ Plants

Animals

Fungi

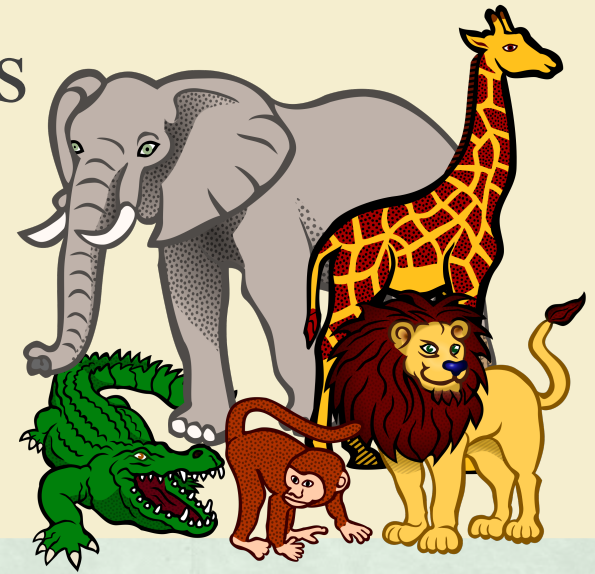
Protists

Monera

B. Animals

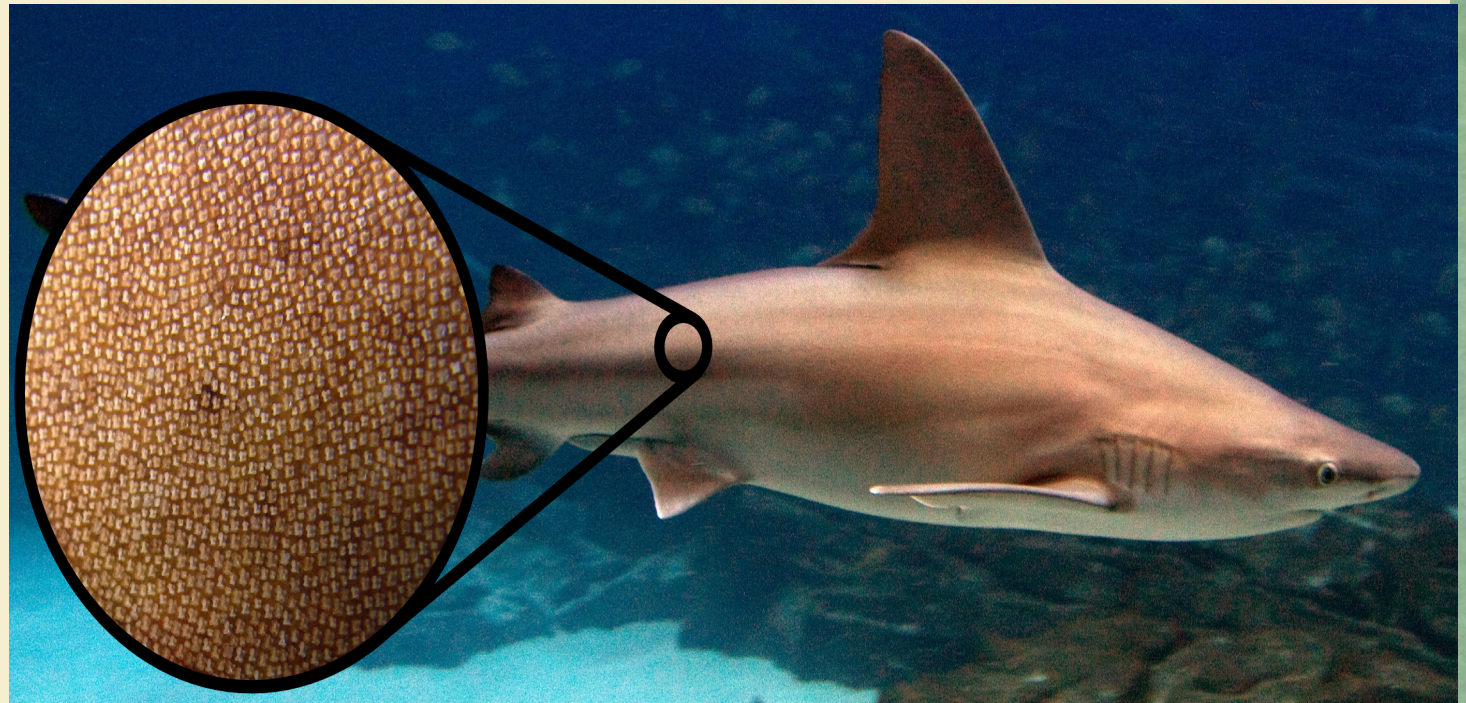
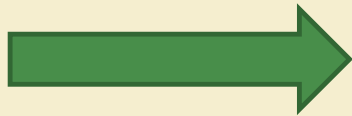
- Number of cells: Multicellular
- Cell type: Eukaryotic
- Energy source: Heterotrophic
- Ingestion

Ex. Dog, Humans, Cat and Insects



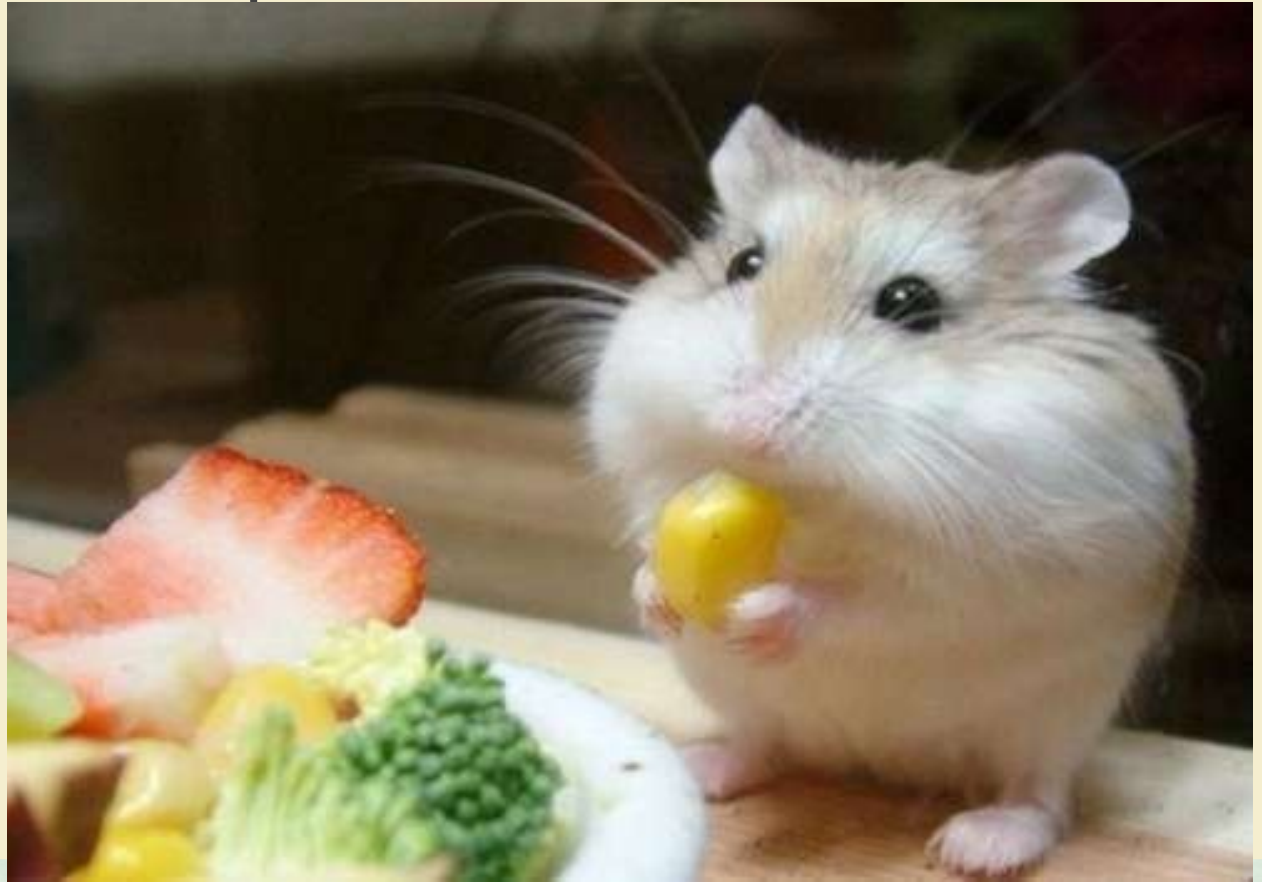
B. Animals

- Number of cells: Multicellular







B. Animals

- Energy source: Heterotrophic
 - Ingestion



Word Bank:

		<i>Has a Nucleus</i>	<i>Building blocks of all life</i>	<i>Protects the DNA in a cell</i>		
<i>Multicellular</i>	<i>Unicellular</i>	<i>Eukaryotic</i>	<i>Cell</i>	<i>Nucleus</i>	<i>Heterotrophic</i>	<i>Autotrophic</i>

Example Choices:





						
<i>Cat</i>	<i>Flower</i>	<i>Ant</i>	<i>Tree</i>	<i>Apple</i>	<i>Spider</i>	<i>Wolf</i>

Use the word bank above and your class notes to complete the chart below.

Kingdom	Cell Number <i>Multicellular/Unicellular</i>	Cell Type <i>Prokaryote/Eukaryote</i>	Energy Source <i>Autotrophic/heterotrophic</i>	Examples
<i>Plants</i>				
<i>Animals</i>				

Plants and Animals Homework

Complete the following table by filling in the boxes with the corresponding characteristics of each organism.

Organism	Cell Number <i>Multicellular/Unicellular</i>	Cell Type <i>Prokaryote/Eukaryote</i>	Energy Source <i>Autotrophic/heterotrophic</i>	Kingdom <i>Plants/Animals</i>
 <i>Bear</i>				
 <i>Leaf</i>				
 <i>Caterpillar</i>				
 <i>Pumpkin</i>				

WHAT HAVE
YOU LEARNED?