Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bell Work: Monera and Fungi

**Monera**

****Monera include organisms such as BACTERIA. Monera cells **do not** have a nucleus (brain). They are called prokaryotes, which means “before a nucleus.” They are the only kingdom that lacks a nucleus. They also don’t have any organelles (“little organs”) to help with life processes. Monera are the simplest kinds of organisms. They have only one cell (single-celled organism). Some Monera are producers. Others are consumers**.** *Monera= Bacteria*

1. What is a prokaryote cell type?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What kingdom is bacteria located in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Fungi**

Fungi isn’t a plant or an animal. Fungi have their own KINGDOM. Fungi **do not** make their own food, they are heterotrophic. Fungi absorb the nutrients around them. Most fungi are multicellular. Fungi include mushrooms, mold and yeast. Some fungi are used to make medicine. Others help recycle nutrients in the soil by decomposing material around them. We also can eat and drink fungi, but not all because some are toxic.

1. Are fungi unicellular or multicellular?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are some examples of fungi?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Can fungi produce their own food?

II. Kingdoms

1. Fungi
	* Number of cells: Multicellular
	* Cell type: Eukaryotic
	* Energy source: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		+ Absorption

 Ex. Mushrooms, mold, yeast

1. Monera
	* Number of cells: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	* Cell type: Unicellular
	* Energy source: Heterotrophic or Autotrophic
		+ Absorption

Ex. Bacteria (E.coli)

**The Five Kingdoms of Life Review**

**Word Bank:** *Terms are underlined and description is in italics.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***69336_cell_sections_md.gif******Multicellular*** | ***cell-clipart-cell-nucleus-clipart-1.png******Unicellular***  | *Has a Nucleus**(Eu=True Nucleus)****Eukaryotic***  | *Lacks a Nucleus**(Pro=NO)****Prokaryote*** | ***Screen%20Shot%202017-11-10%20at%203.30.57%20PM.png******Heterotrophic***  | ***Sun-clip-art-free-clipart-images-4.jpg******Autotrophic*** | *Kingdom*images-1.png***Monera*** |
| *Kingdom*images-1.png***Protists****---------->* | *Protista**/Users/emilyumile/Desktop/477461979.jpg****Euglena*** | *Protista****/Users/emilyumile/Desktop/Respiration1.gif******Amoeba*** | *Protista****/Users/emilyumile/Desktop/479487105.jpg******Paramecium*** | *Kingdom*images-1.png***Animals*** | *Kingdom*images-1.png***Plants*** | *Kingdom*images-1.png***Fungi*** |
| *Movement***Locomotion***---------->* | *“Whip-Like”****Flagella*** | *“Hair-Like”****Cilia*** | *“False-Feet”****Pseudopod*** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Organism | Cell Type*Prokaryote/Eukaryote* | Cell Number*Unicellular/Multicellular* | Energy Source*Autotroph/Heterotroph* | Kingdom |
| Mushroomcartoon-mushroom-8.gif |  |  |  |  |
| Treeimages.jpg |  |  |  |  |
| Bacteriabacteria-clipart-124.png |  |  |  |  |
| Paramecium***/Users/emilyumile/Desktop/479487105.jpg****Locomotion*: |  |  |  |  |
| FrogFrog-clip-art-for-teachers-free-clipart-images.png |  |  |  |  |
| Euglena***/Users/emilyumile/Desktop/477461979.jpg****Locomotion*: |  |  |  |  |
| Amoeba***/Users/emilyumile/Desktop/Respiration1.gif****Locomotion*: |  |  |  |  |

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**LE Classification Day 4 Quiz**

1. What is a prokaryote cell type?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What kingdom is bacteria located in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Are fungi unicellular or multicellular?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are some examples of fungi?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Can fungi produce their own food?
2. Are all bacterial hurtful to humans?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Five Kingdoms of Life Review**

1. What are the **unicellular** kingdoms?
2. What is the only **prokaryotic** kingdom?

What is the locomotion of Euglena?

What is the locomotion of Paramecium?

What is the locomotion of Amoeba?

1. Why is fungi **NOT** considered a plant?
2. What is the process by which plants make their own food?
3. What does the Monera Kingdom **LACK/ DO NOT HAVE**?
4. What are the 5 Kingdoms of Life which we classify ALL living organisms into?

 10.What’s another word for classification?

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Five Kingdoms of Life Homework**

*Using the information we have learned about Protista. Draw all three in the chart below.* ***Include how they move around.***



Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Five Kingdoms of Life Homework**



**CIRCLE** below the correct choice for your Protista of choice:

* My protista moves using it’s *Flagella/Cilia/Pseudopods.*
* My protista obtains food/energy *autotrophically/heterotrophically.*
* My protista is *unicellular/multicellular.*