



**Science Virtual Learning**

# **LEP Science**

**Kingdoms and Classification**

**April 29, 2020**



LEP Science  
Lesson: April 29, 2020

**Objective/Learning Target: I can recognize and classify different organisms into the Kingdoms they belong.**

Let's get started.

Begin by copying down this chart on a sheet of paper.

Domain	Kingdom	Cell Type Prokaryote/ Eukaryote	Nutrition (Autotroph/ Heterotroph	Characteristics Multicellular/ Unicellular/ Cell wall/	Other
Bacteria	Eubacteria				
Archea	Archeabacteria				
Eukarya	Protista				
	Plantea				
	Fungi				
	Animalia				

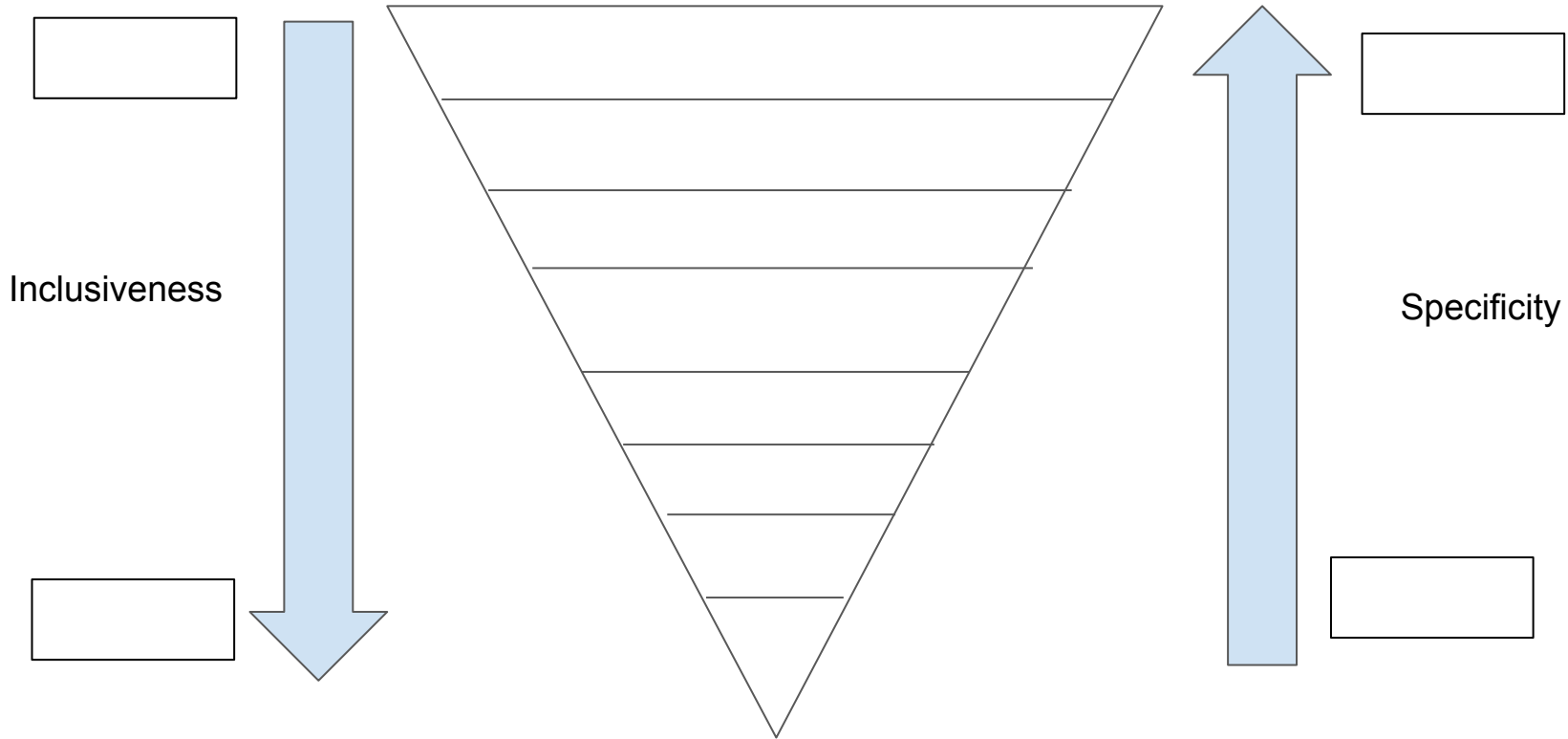
Now watch the video and try to complete your chart.



## How did you do?

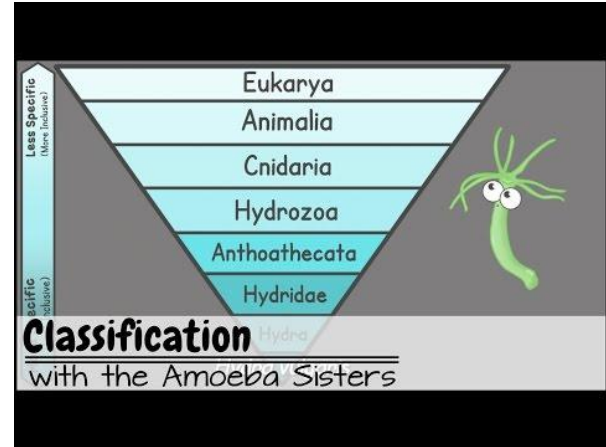
Domain	Kingdom	Cell Type Prokaryote/ Eukaryote	Nutrition (Autotroph/ Heterotroph)	Characteristics Multicellular/ Unicellular/ Cell wall/	Other
Bacteria	Bacteria	Prokaryote	Autotroph	Unicellular/cell wall	Can make us sick
Archea	Archae	Prokaryote	Autotroph	Unicellular/cell wall	Live in extreme environments
Eukarya	Protista	Eukaryote	Auto/Heterotroph	Uni/multicellular	Junk Drawer kingdom
	Plantae	Eukaryote	Autotroph	Multicellular/ Cell wall	
	Fungi	Eukaryote	Heterotroph	Uni/Multicellular/ cell wall	
	Animalia	Eukaryote	Heterotroph	Multicellular	Most diverse

Next, copy the diagram below

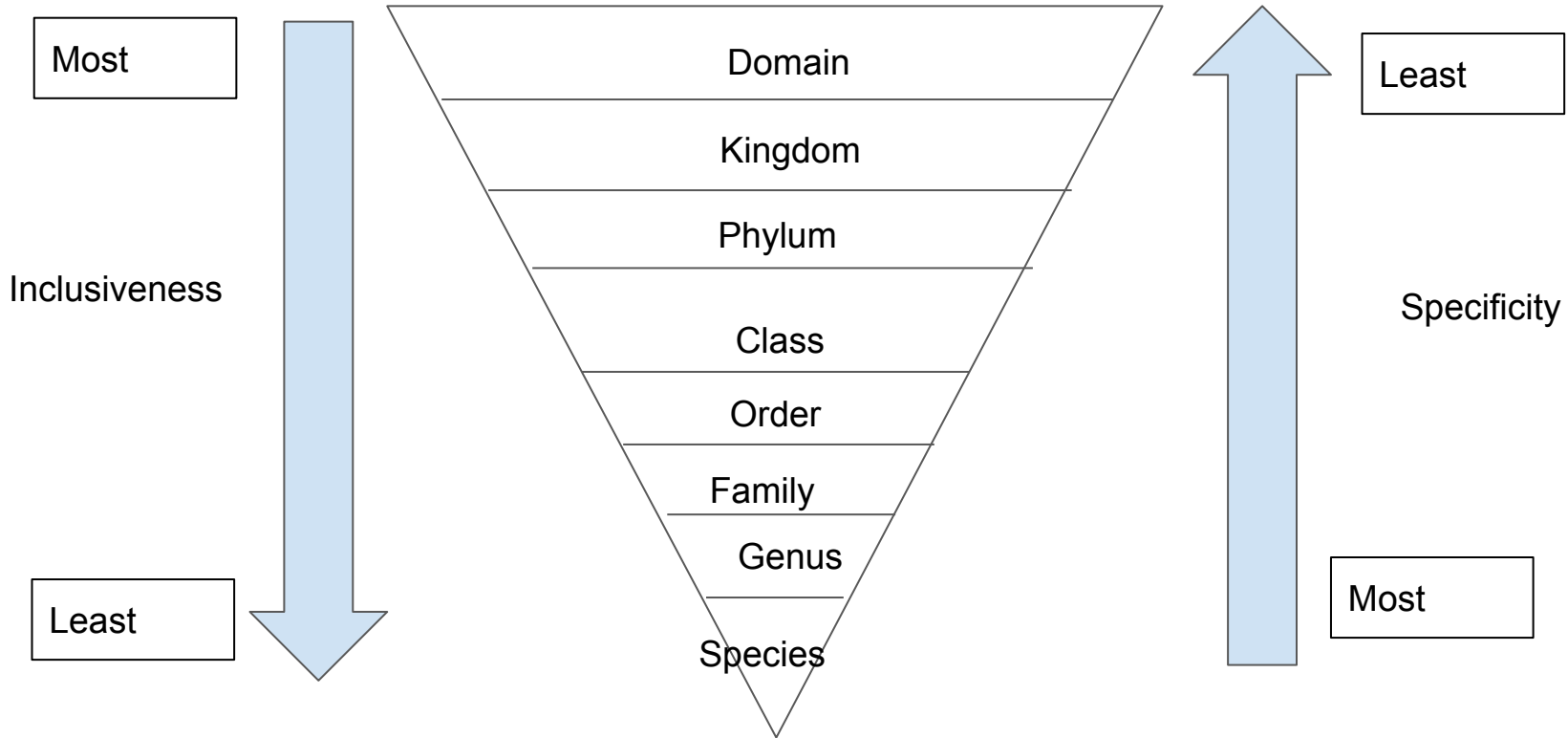


Now watch the video and fill in your diagram.  
Answer the questions below as well.

How many Domains are there?  
How many Kingdoms are there?  
What is Binomial Nomenclature?



# Did you get it?







## How about the questions?

How many Domains are there? 3 (Archea, Bacteria, Eukarya)

How many Kingdoms are there? 6 (Archea, Bacteria, Protista, Fungi, Plantae, Animalia)

What is Binomial Nomenclature? A naming system created by Carolus Linnaeus which uses the Genus and Species names as the Scientific name of the organism. It is a way to clarify organisms that may have different common names around the world--example was the puma, cougar, etc (*Pantera concolour*) as seen in the video.



Practice what you have learned and taken notes on

Here is some practice with what you have learned. When you open the link, “make a copy” so you can edit or write your answers on a sheet of paper.

[Practice Worksheet](#)

[Answers](#)



Let's practice with some Scientific naming (Binomial Nomenclature).

Use the internet to look up the scientific or common names of the following organisms.

1. African Lion
2. Human
3. *Rana temporaria*
4. *Quercus alba*
5. *Agaricus bisporus*
6. Paramecium



Let's practice with some Scientific naming (Binomial Nomenclature).

Use the internet to look up the scientific or common names of the following organisms.

1. African Lion -*Panthera leo*
2. Human -*Homo sapien*
3. *Rana temporaria* - Common frog
4. *Quercus alba* -white oak
5. *Agaricus bisporus* -mushroom
6. Paramecium -*Paramecium caudatum*



Visit this site for information about common misconceptions about biological classification.

[Misconceptions](#)



Here are some videos that go into more detail about each kingdom.

[Archea](#)

[Bacteria](#)

[Protists and Fungi](#)



Additional resources for learning and practice.

[Name that Animal worksheet](#)

[What's so important about names?](#)

[Binomial Nomenclature video](#)

[Classification of living things video](#)

[Fun game to review Evolution](#)