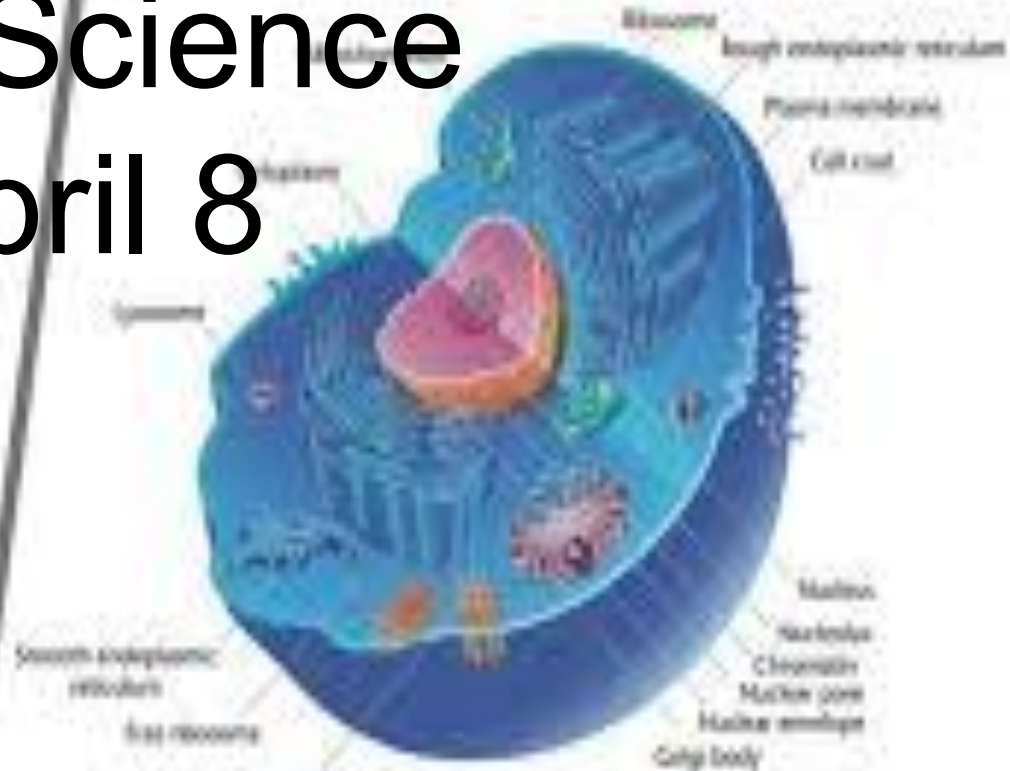


LEP Science

April 8



Objective: I can tell the difference between a prokaryote and eukaryote

Let's get started. Copy the following words in your notebook or on a sheet of paper.

Prokaryotic Cells Eukaryotic Cells Bacteria Archea Protist

Plant Animal Fungi Eukarya DNA Ribosomes Cytoplasm

Cell Membrane (plasma membrane) Cell wall (most) Cell wall (many)

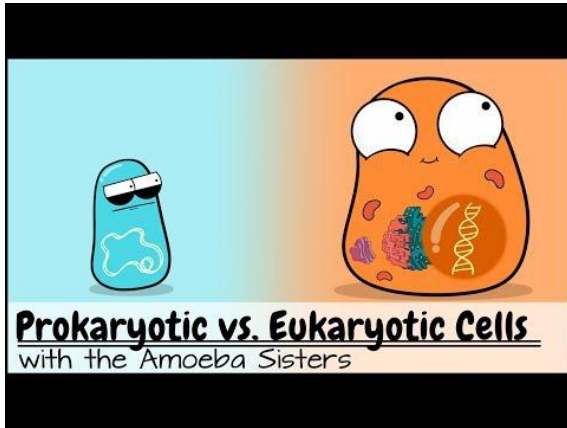
More complex Larger Nucleus No Nucleus

Membrane-bound organelles No Membrane-bound organelles

Genetic Material Killed with Antibacterials Killed with Antifungals

Lesson

Watch the attached video. As you watch, place the words you just copied into one of the 3 categories shown in the chart.



Prokaryotes	Both	Eukaryotes

Lesson: How did you do?

Prokaryotes	Both	Eukaryotes
<p>Prokaryotic Cells Domain: Bacteria Domain: Archae Unicellular (single cell) Bacteria No Nucleus No Membrane-bound Organelles Cell wall (most) Killed with Antibiotics</p>	<p>DNA Cell membrane (plasma membrane) Ribosomes Cytoplasm Genetic Material</p>	<p>Eukaryotic Cells Domain: Eukarya Protists Plants Animals Fungi Unicellular or Multicellular Cell Wall (many-plants and fungi) More complex Larger Nucleus Membrane-bound organelles Fungi can be killed with antifungals</p>

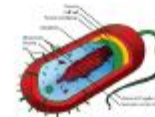
Practice: open the link and complete the worksheet.
Write your answers on a sheet of paper.

[Prokaryote vs Eukaryote practice](#)

The worksheet looks like what is pictured to the right.

There are two main types of cells in living things: **Prokaryotic cells** and **Eukaryotic cells**. To help you remember the differences between them, complete the table below.

	Prokaryotic Cells	Eukaryotic Cells
Do they have DNA?		
Do they have a nucleus?		
Do they have organelles?		
Do they have a plasma membrane?		
Do bacteria have these?		
Do fungi have these?		
Do plants have these?		
Do animals have these?		



Practice Answers:

[Prokaryote vs Eukaryote answer key](#)

More Practice:

[Pro vs Euk Ameoba Sisters video recap](#)