



**K20**  
L E A R N

# What's My Purpose in This Life?

Introduction to Cells / Cell Theory

6th Grade Science



# Essential Questions

- Why are organelles important to cells?
- Why are cells called “the building blocks of life?”



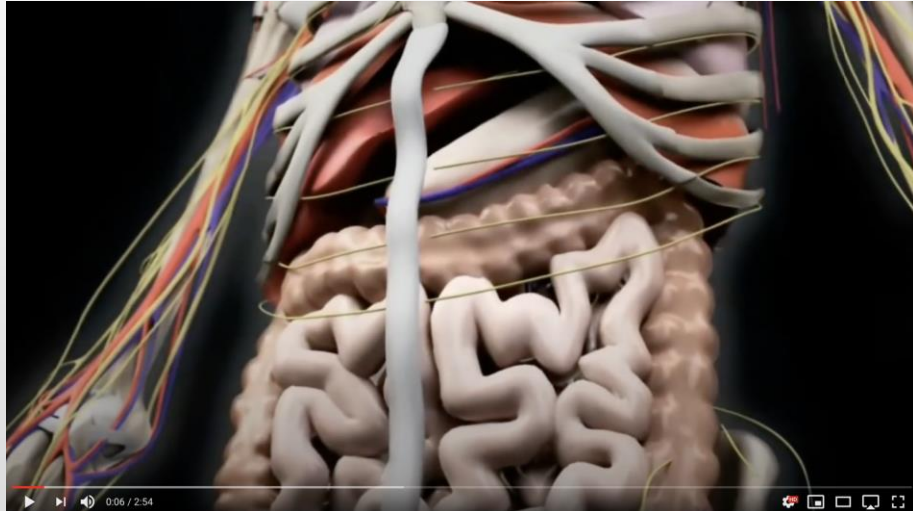
# Objectives

Students will be able to:

- Identify the structure and function of various cell organelles.
- Differentiate between plant and animal cells.
- List the 3 principles of the Cell Theory.



# Let's Get Started



# Say What?!

- What did you notice as the ingredients went from pizza dough to the finished pizza?
- Can you think of examples of everyday things that also have ordered steps?
- Challenge: Why do you think I showed both a video about cells and making pizzas?



# You are the Assembly Line

- Goal: As a group, make as many “Hershey’s Kisses” as you can in 5 minutes.
- Gather up supplies (marbles, foil, ribbon/yarn, scissors) before beginning.
- On your marks, get set, go!



# How did it go?

On the left side of your H-Chart, reflect by writing how your role/job/task went when constructing the Hershey's Kisses.



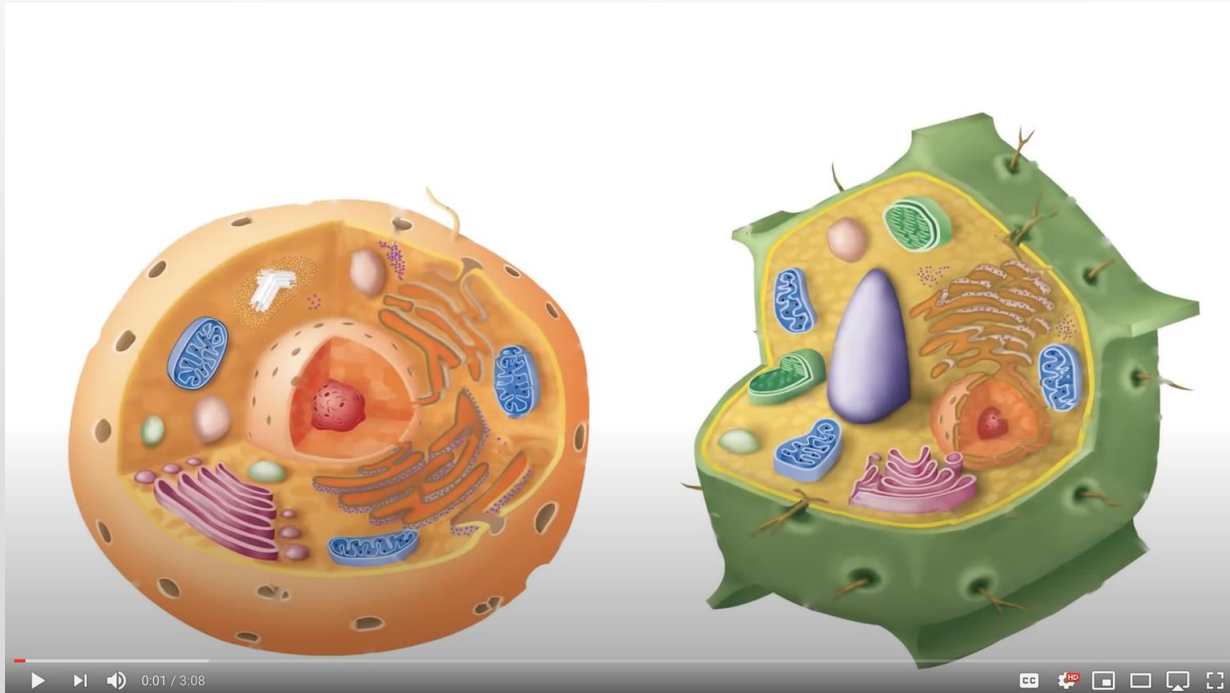


# Cell Theory



1. Cells are the basic unit of life.
2. All living things are made of cells.
3. Cells come from pre-existing cells.

# Who's who among organelles?



# H-Chart Revisited

- On the right side of your H-Chart, write down things you learned, or remembered, from the organelle rap.
- Now, compare the left and right sides of your H-Chart and figure out how they are similar. Write your answer(s) in the middle part of the “H.”



# Create a Cell-fie

- Create a flipbook by sketching organelles and saying what their job is.
- Include the 10 most wanted organelles: nucleus, mitochondria, cell membrane, ER, ribosome, lysosome, golgi body, cytoplasm, vacuole, and DNA.
- Include your text on top of each layer.
- Last page: draw and label a plant cell. Show all 10 organelles, the cell wall, and chloroplast(s).



# What's my purpose in this life?

- Mix and mingle! Goal: find out which organelle you are.
- Ask one question only and then move on to another person to ask another question. Repeat.

Good question example: *Am I found in a plant cell?*

Bad question example: *Am I a ribosome?*

