



#1. Cell Basics

Class: _____

Type Instruction: Whole Class

Learning Objective(s): Students understand that the cell is the most basic unit of life.

Length of Time: 10 Minutes

Ignite! Movies:

- The Most Basic Unit of Life
- Introducing... The Cell!

Teacher Instructions: Play Ignite! movies with students and complete the following activity.

Part One: Students compare and contrast activity.

Part Two: The Functions of Life is a whole class discussion.

Target Vocabulary/Key Terms:

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|------------------------|---------------------|
| • <i>archaea</i> | • <i>cell</i> |
| • <i>cell membrane</i> | • <i>cytology</i> |
| • <i>cytoplasm</i> | • <i>cytosol</i> |
| • <i>DNA</i> | • <i>eukaryote</i> |
| • <i>multicellular</i> | • <i>nucleus</i> |
| • <i>organelle</i> | • <i>prokaryote</i> |
| • <i>unicellular</i> | |

Notes:



Name: _____



Eukaryotic Cells vs Prokaryotic Cells

Directions: Compare and contrast eukaryotic cells and prokaryotic cells by filling in the following chart.

Eukaryotic Cells

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Prokaryotic Cells

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**Do They Have
Organelles?**

**Do They Have a
Nuclear Membrane?**

Give Examples of Each

The Functions of Life

Directions: As a class, discuss the following questions: what are the some of the basic functions of life? How do cells carry on these functions?