**Biology Unit #1: Cell Biology**

**Review**

Key Vocabulary to understand:

Spontaneous Generation

Cell membrane

Semipermeable

Cytoplasm

Golgi body

Lysosome/vesicle

ATP

Nucleus

Ribosome

Rough endoplasmic reticulum

Vacuole

Cell Wall

Cell theory - 3 main parts

Prokaryotes:

Eukaryote:

Questions

Why do Prokaryotes and Eukaryotes both have ribosomes?)What do you think is the main difference between a prokaryotic cell and a eukaryotic cell?

What which is more complex, prokaryotic cells or eukaryotic cells?

- And what does that tell you about there evolution?

How can we tell if something is alive?

If a cell were a town, why would the nucleus be the mayor and the mitochondria be the power plant?

How is a cell wall different than a cell membrane?

What are the key differences between plant and animals cells?

What are the characteristics of life that are challenging to observe, describe an experiment and the supplies you would need to observe the characteristic.

How do we know spontaneous generation is not correct? What about rotten meat and flies proved that it was in fact a FALSE theory.