**Cells Unit-Jeopardy Review**

**Organelles**

100: This organelle is the “brain” of the cell.

 **What is the nucleus?**

200: This organelle controls what enters and leaves the cell.

 **What is the cell membrane/plasma membrane?**

300: This organelle creates energy for the cell in the form of ATP.

 **What is a mitochondrion? What are mitochondria?**

400: This is the organelle shown in the picture.

 **What is the smooth endoplasmic reticulum?**

500: These organelles provide support to the cytoskeleton and form spindle fibers during cell reproduction.

 **What are microtubules? OR centrioles?**

**Old Dead Dudes**

100: This person was the first to view cells under the microscope.

 **Who was Robert Hooke?**

**200**: This scientist was the first to view living cells under the microscope. Daily Double!!!!!!

 **Who was Anton von Leewenhoek?**

300: This third individual is credited with helping to form The Cell Theory.

 **Who is Rudolph Virchow?**

400: Robert Hooke examined a cell from this source under the microscope.

 **What is cork?**

500: These two individuals are credited with the formation of The Cell Theory.

 **Who are Matthias Schleiden and Theodor Schwann?**

**Mitosis**

100: This onion root tip cell is in this stage of mitosis..

 **What is anaphase?**

200: At the end of mitosis, this many chromosomes are in the daughter cells.

 **What are 46 chromosomes?**

300: When mitosis ends, this many daughter cells will be produced.

 **What are two daughter cells?**

400: This phase of mitosis shows the nucleus reforming and sister chromatids at the poles of the cell.

 **What is telophase?**

500: These are the steps of mitosis, in order.

 **What are interphase, prophase, metaphase, anaphase, telophase, and cytokinesis?**

**Meiosis**

100: The cells produced at the end of meiosis contain this many chromosomes.

 **What are 23 chromosomes?**

200: These are the products of meiosis.

 **What are sperm and egg? Gametes?**

300: Meiosis has this many cell divisions.

 **What is two?**

400: Meiosis will produce this many daughter cells.

 **What is four daughter cells?**

500: This is the name of the process that produces sperm **and** egg.

 **What are spermatogenesis and oogenesis?**

**CELLS**

**100**: There are this many categories of cells. DAILY DOUBLE!!!!!

 **What is two?**

200: Plants and animals are this type of cell.

 **What is a eukaryote?**

300: This is what a large group of similar cells is called.

 **What is a tissue?**

400: This is the key difference between prokaryotes and eukaryotes.

 **What is a nucleus bound by a membrane?**

500: Cells spend the majority of their life in this stage of cell reproduction.

 **What is interphase?**

**WILD CARD**

100: This is the name of our school’s principal.

 **Who is Mr. Bridges?**

200: This is the name of our school song.

 **What is “Roll On”/”Roll On, You Blackhawks, Roll”?**

300: This team won the Stanley Cup in 2010.

 **Who are the Chicago Blackhawks**

400: These are the names of my two dogs.

 **Who are Berlin and Gabriela?**

500: This is the address of the high school.

 **What is 1201 West New York Street?**

**FINAL JEOPARDY:**

 Write down the answer to the following:

These are the three parts of the Cell Theory.

**1) All living things are made of cells**

**2) All cells come from cells**

**3) A cell is the basic unit of life**

**Daily Double:**

**Old Dead Dudes**

 **200: Where did Leewenhoek get his specimens from?**

 **Answer: A pond**

**Types of Cells**

 **100: What are the two types of cells?**

 **Answer: Prokaryotes and Eukaryotes**