**7.2 Cell Structure**

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| **In your BIOLOGY TEXTBOOK read pages 196-197 and pages 200-201 and use the information to answer the following questions.** |

**Cell Organization**

1. What is cytoplasm?
2. Both prokaryotic and eukaryotic cells have cytoplasm but what is the prokaryotic cell missing?
3. What is the literal translation for the term “organelles”?

**Comparing the Cell to a Factory**

1. Explain how a cell is similar to a factory.

**The Nucleus**

1. What is contained inside of a cells nucleus?
2. What types of molecules exit the nucleus through the nuclear pores?
3. What is the function of a chromosome?
4. What takes place in the nucleolus?

**Ribosomes**

1. Where are proteins assembled?
2. What are ribosomes?

**Endoplasmic Reticulum**

1. What takes place on the endoplasmic reticulum?
2. How did Rough ER get its name?
3. How did Smooth ER get its name?

**Golgi Apparatus**

1. What is the function of the Golgi Apparatus?

**Visual Summary**

1. Examine Figure 7-11. What is taking place in this image?
2. Explain step by step how proteins are synthesized.