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**Chapter 7 Remediation**

* Only students who scored 75% or below (23/31 or less) on the 1/10 Quiz must complete this mandatory assignment
* Complete the **tasks** and answer the **questions**

1. **Task:** Review the content on page 186 in your text and provided in the *From Prokaryotes to Eukaryotes* handout.
   1. **Answer**: How does the Theory of Endosymbiosis explain the evolution of eukaryotes? IOW: What is theorized to have happened in order for complex cells (that we refer to as “eukaryotic cells”) to evolve so that there are now two general types of cells in existence.

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* 1. **Answer**: List 4 pieces of evidence from the analysis of modern cells used to support this Theory.

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1. **Task:** Review the information provided in Table 7.1 in your text (page 199) and be able to describe the differences between a prokaryotic cell and a eukaryotic cell and the differences between two types of eukaryotic cells: plant and animal.
   1. **Make a Venn Diagram** below to compare the structures that Eukaryotic cells and Prokaryotic cells may have. **Include all 14 structures from the table.**
      1. In completing this you should be able to answer questions like: What do euks and proks have in common? Which structures can you look for to distinguish one from the other when viewing an unknown cell?
   2. **Make a Venn Diagram** below to compare the structures that Plant cells and Animal cells may have. **Include all 14 structures from the table.**
      1. In completing this you should be able to answer questions like: What do plant cells and animal cells have in common? Which structures can you look for to distinguish one from the other when viewing an unknown cell?
   3. **Answer:** Which 3 cell types have cell walls? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. **Answer:** Do viruses have cell parts/organelles? \_\_\_\_\_\_ Are they alive? \_\_\_\_\_\_\_\_