**Endosymbiosis Web Quest**

Objective: Research and gain knowledge on endosymbiosis and the evidence for endosymbiosis.

Part I: Endosymbiosis Web Quest Research

Use the following websites to help you research and answer the questions below:

<http://evolution.berkeley.edu/evolibrary/article/endosymbiosis_01>

Endosymbiosis Research Questions:

1. What did Kwang Jeon discover when researching Amoeba infected by bacteria?

2. What is endosymbiosis?

3. How does the meaning of the root words “endo-“ and “-symbiosis” help you understand the meaning of endosymbiosis?

4. How does endosymbiosis play a role in the evolution of prokaryotes to eukaryotes, and how are mitochondria important to this evolution?

5. What is the evidence scientists have to support endosymbiosis and the evolution of prokaryotes to eukaryotes?

6. What is another cell organelle that is thought to have originated through endosymbiosis?

7. Could you find free-living mitochondrion today? Why or why not?

8. What are some questions scientists still have about endosymbiosis?