

AP Daily 2.11 Video - Origins of Cell Compartmentalization

1. What is the function of the plasma membrane in both prokaryotic and eukaryotic cells?
2. Prokaryotic cells have an internal region called the _____ which contain its genetic material, but eukaryotes have a membrane bound _____ which contain genetic material.
3. Which eukaryotic membrane bound organelle is thought to have evolved from infoldings of the plasma membrane?
4. Which eukaryotic membrane bound organelles are thought to have evolved from the process of endosymbiosis?
5. Describe the process of endosymbiosis.
6. Describe three pieces of evidence that mitochondria and chloroplasts evolved from endosymbiosis.