**Honors Biology Station 3: Structure vs. Function**

**Read each scientific claim below. Use the resources available to find evidence about mitochondria and chloroplasts to support each claim. Evidence could include: statements from the article, labeled diagrams or defined vocabulary terms.**

Resources:  
Mitochondria: <http://www.biology4kids.com/files/cell_mito.html>  
Chloroplast: <http://www.biology4kids.com/files/cell_chloroplast.html>

Claim #1

An organelle’s structure is related to the function it performs for the cell.

Chloroplast

Mitochondria

Claim #2

Chemical reactions are carried out within organelles of a cell. When the surface area within an organelle is increased the efficiency of the organelle is increased.

Mitochondria

Chloroplast

Claim #3

Organelles are located in different amounts and in different locations based on the function of the cell.

Chloroplast

Mitochondria

Claim #4 YOU CREATE!

Write a claim about the location and number of ribosomes within a cell. Use the resources, your knowledge and cell diagrams to identify evidence to support your claim.

Resource: <http://www.biology4kids.com/files/cell_ribos.html>