Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_

Research your *Cells and Heredity* Book for information on

the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organelle (*Cells and Heredity* page 22)

is the \_\_\_\_\_\_\_\_\_\_\_\_(it) in the plant or the animal cell or is it in both?

Look in your book for the shape of the organelle (look at p 22) in a plant cell and animal cell?

* Describe the shape of organelle?

Research your book-Look in *Cells & Heredity* Chapter 1 and Chapter 2

Look in *Diversity of Living Things* Chapter 3

* What function (job) does the organelle do in a plant cell?
* What function (job) does the organelle do in an animal cell?
* Draw a Venn diagram- Compare the organelle’s function. Label one side plant and the other side animal.
* Complete a detailed artist drawing of the organelle for modeling purposes and put ideas down about what you could make the organelle out of for the cell model.

Think about: *Look in your book for the location of organelle (pg 22 C&H)*

* Is the location of where the organelle is in the cell important?
* If the location of the organelle you are researching were somewhere else in the cell would it matter?
* Should there be multiples of this organelle in one cell because of the function it serves (example nucleus)?

Explain one special feature(s) about the organelle that you found in this source.

If the organelle did not exist, predict what could happen? Explain how the cell might or might not work because that organelle doesn’t exist.

*You will need one of these for each source and it must be stapled to your citation page.*