Grade 8 Science: Plant and Animal Cells Research Assignment

Plant and animal cells have been extensively researched in the past decade and exciting research continues to this day. In particular, scientists have looked deep inside of these cells and have discovered several distinct "organelles" or very important structures or bodies – each of which performs very important but specific tasks. Learning about each of these organelles has helped scientists understand exactly how cells work and remain healthy.

Individually, research the following organelles: These organelles are briefly described in the text book on pages 28 and 29.

Cell Membrane
Cell Wall
Nuclear membrane
Nucleus
Cytoplasm
Vacuoles
Mitochondria
Endoplasmic Reticulum
Golgi Body (or Golgi apparatus)
Chloroplasts
Lysosomes
Chromosomes
Chromatin
Centrioles
Ribosomes

Create a chart as follows:

Organelle Name	Structure	Function	"P" or "A"
(spelled correctly)	Describe the structure	Describe what job it does	found in a Plant
	"Made of looks like"	"How does it work?"	or Animal cell.
	"Located where in the cell?"		
	"What does it contain?"		

You can create your chart on paper or using one of the computer applications. You may also include a picture in your chart if you desire.

This assignment precludes several other assignments (Namely: The Edible cell design lab – Cell Analogies Assignment – Cell organelle test or quiz) – each of which is directly related to your knowledge and understanding of the above organelles.