Organelle 3D Project

You will be working in small groups of 2-3 students. In your groups, you will teach yourselves about the organelles and their functions. The project entails using organelles as the parts of a state, city, athletic team, or even as a concert band, etc.

Each organelle has a job to do for the cell. What you are supposed to do is to compare the job of the organelle to the function of, for example, a city, and then explain what that organelle does and how it correlates to a person, place or thing in the city example.

Example: The nucleus holds and protects the DNA which is the instructions for the entire cell.

The mayor of a city gives instructions on how the people of the city will and or be protected

The project can be made of any material. It should not be much bigger than 2'x 2' at the base. It is to be a 3 dimensional model. All parts of the model should be labeled as any of the follow organelles:

13 are required

- Nucleus
- Endoplasmic Reticulum
- Ribosomes
- Golgi Body
- Mitochondria

- Cell Membrane
- Vesicles
- Vacuoles
- Lysosomes
- Centrioles
- Cell Wall

- Chloroplasts
- Cytoskeleton
- Cytoplasm
- Nucleolus

A typed paper with each organelle used that states the function of the organelle with an explanation of what part of the project that the organelle represents is a large part of the grade and adds RIGOR to the project.

A grading rubric is located on the back of this instruction sheet.

The project due date is Tueday, October 8th and you will only be given 3 class days to work on the project.

10 Points	8 Points	6 Points	4 Points	2 Points
Colorful, neat	Excludes one	Excludes two	Excludes three	Excludes 4 or
and a clear effort	item from the	items from the	items from the	more items from
is evidenced by	requirements of a	requirements of a	requirements of a	the requirements
finished project	50 point project	50 point project	50 point project	of a 50 point
				project
Includes a				
variety of 3-D				
aspects				
All 13 required				
organelles are				
represented				
All 13 required				
organelles are				
explained using				
ACE method on				
separate sheet of				
paper				
All 13 organelles				
are clearly				
labeled on the				
project				

Answer the question to the problem of the assignment Cite your evidence

Explain and Elaborate on the evidence your citing.