Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I CAN** identify and explain how each part of a eukaryotic cell works.

 Explain what all eleven cell parts do and

 what proteins are.

Period \_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**THE CELL AS A FACTORY**

1. The cell membrane are the \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the factory and allow \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_in and \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ out.



2. In a plant cell,

chloroplasts act

like \_\_\_\_\_\_\_\_\_\_

panels and this is

where \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

are made from sun & H20.

3. Vacuoles are

storage tanks that

store \_\_\_\_\_\_\_\_\_\_ and

is very large in

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. The endoplasmic

reticulum (ER) is the

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

line of the factory and is

where the \_\_\_\_\_\_\_\_\_\_\_\_are

made for delivery.

5. Ribosomes are stationed along the ER and they make the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

6. The nucleus is the main \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of the factory and contains the cells’ \_\_\_\_\_\_\_\_\_\_\_

and serves as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_for the cell.

7. The mitochondria are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_stations of the factory and it breaks down

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make ATP which is the molecule that provides \_\_\_\_\_\_\_\_\_\_\_

for the cells’ activities.

8. The Golgi complex makes changes and wraps the product and ships the package \_\_\_\_\_\_\_of the

factory. Proteins are sent to the Golgi complex from the \_\_\_\_\_\_\_\_\_\_ where the proteins are

modified. The Golgi complex’s membrane \_\_\_\_\_\_\_\_\_\_\_\_\_\_off to form a small compartment

called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Then it sends it \_\_\_\_\_\_\_of the cell.

9. The lysosomes are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of the factory and the lysosomes have special

 vesicles that digest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_., \_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

10. The cell wall is the \_\_\_\_\_\_\_\_\_\_\_\_that surrounds the factory and is the part of the plant cell tha

 gives rigid \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.



clean up crew for