Science 8 3D Model of a Cell (25pt) Name: \_\_\_\_\_\_\_\_\_\_\_\_\_

You may work alone or with ONE other person

**Objective:** To build a 3D representation of a plant or animal cell

 To demonstrate your understanding of the major cell parts in a creative way.

**Criteria: Your Model must:**

1. Be 3 dimensional, not a drawing or photo.
2. Include a title (animal/plant cell)
3. Your name, partner’s name
4. Include Organelles listed below
5. All organelles must **be labelled** (either on the structure or provide a legend)
6. Must include **functions** of all organelles included in your model on a separate sheet of paper/poster board or printed on the side
7. Self-Assessment
8. Peer Assess (if working with a partner)

**Organelles Required:**

1. Cell membrane
2. Nucleus
3. Cytoplasm
4. Mitochondrion
5. Vacuole
6. Ribosomes
7. Cell wall (plants only)
8. Chloroplast (plants only)
9. Endoplasmic reticulum
10. Golgi apparatus
11. Lysosome

The following are **optional** and can be included to enhance your mark:

* Cilia
* Flagella
* Centrioles
* Nucleolus/chromosomes

Possible items to use: string, yarn, pipe cleaners, tooth picks, twist ties, playdough, buttons, foam, colored paper, Styrofoam, paper mache, pasta, bulk candy, other non-perishable food items, colored stones,

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Items that I worked on:

Items my partner worked on:

What I did well in the project:

What I could have done better:

What I enjoyed most about the project was:

What I liked least about the project was:

Give yourself a mark out of four on how well you worked with your partner:

Poor Average Excellent

1 2 3 4

Give yourself a mark out of four on how well you worked with your partner:

Poor Average Excellent

1 2 3 4