**Incredible Edible Cell**

**Team Members:**
1. ______________________ 2. ______________________
3. ______________________ 4. ______________________

**DIRECTIONS:** Each item counts five (5) points. When you finish, raise your hand to have your group’s work evaluated by the teacher. You may not ask for help from anyone except the members of your group. Every group member will receive the same grade based upon successfully completing an edible cell in the specified amount of time with all members participating and working cooperatively in your group.

1. Get a sheet of white paper (12” X 12”) and draw a large circle as big as the paper to represent the cell membrane.

2. Color the cell membrane blue.

3. Color the cytoplasm yellow.

4. Place the nucleus in the center of the cell. (Marshmallow)

5. Place the nucleolus in the correct location. (Red Hot)

6. Place the chromosomes in the correct location. (Confetti Sprinkles)

7. Color the nuclear membrane blue.

8. Place the mitochondria in the cytoplasm. (Jelly Beans)

9. Place the lysosomes in the cytoplasm. (Raisins)

10. Place the endoplasmic reticulum in the cytoplasm. (Twizzlers)

11. Place the vacuoles in the cytoplasm. (Skittles)

12. Place the ribosomes in the cytoplasm. (Non-Pareils)

13. Draw a line from each organelle and write the function of each organelle.

14. Which two organelles are not included in your cell and are only found in a plant cell?

15. By looking at your cell, how do you know it is an animal or plant cell?

16. What is the function of the chloroplast?

17. What is the function of the cell wall?

Tuschi 2000