**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ #\_\_\_**

**Grade 8 Cell Project**

**What will you make?**

3-D Cell Model, materials up to you

This is an at-home activity, meaning that you will not have any class time to work on this project and it is your responsibility to manage your time.

**Choose one of the following:**

1. \_\_\_\_On my own
2. \_\_\_\_With a partner (Partner’s name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

*Please note that if you work with a partner, each of you will need to hand in a description of what role you both played in completing the project.*

**Due Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Parent signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3-D Cell Model Evaluation Rubric Score: \_\_\_\_/100**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Scoring Criteria** | **Points** | **Teacher Evaluation** |
| **Craftsmanship**  **23 points** | Model cell meets size requirements. No smaller than 4”x6” and no larger than 9”x12”  Model is 3 dimensional  Model stays together. Use clear drying glue. Avoid tape and staples.  Model and accompanying information carefully mounted for display. | **5**  **5**  **5**  **5**  **10** |  |
| Model is attractive and effort is evident from the overall appearance |
| **Identification, key and descriptions**  **18 points** | Type of cell, student name, date are found on both key and model  Accurate identification key/legend is provided or each organelle is labeled on model  Accurate description of the function of each organelle is provided as part of the key/legend or on accompanying mounted sheet | **3**  **6**  **12** |  |
| **Cell parts are present and are appropriately constructed.**  **41 points** | Cell membrane, nucleus, cytoplasm  Vacuole, rough E.R., smooth E.R.  Ribosomes, Golgi body, mitochondria  Chromosomes, **and:**  for plant: cell wall, chloroplast  for animal: lysosomes, flagella or cilia  Cell shape corresponds with the type of cell: plant or animal | **9**  **9**  **9**  **9**  **3** |  |
| **Written word** | All written material is free of any spelling, grammar or punctuation errors | **10** |  |
| **Score** | **Total points** | **100** |  |

*Please note that if you work with a partner, each of you will need to hand in a description of what role you both played in completing the project.*

**Comments:**