

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

| 3D Plant Cell Model Project Rubric                               |                             |                                    |                                   |              |
|--|-----------------------------|------------------------------------|-----------------------------------|--------------|
| <b>General Project Guidelines:</b>                               |                             |                                    |                                   | Total Points |
| Proper heading on project (name, date, class, & period)          |                             |                                    |                                   | 4            |
| Project submitted on due date                                    |                             |                                    |                                   | -----        |
| Project materials are not made from perishable foods             |                             |                                    |                                   | 2            |
| <b>Project Design:</b>   |                             |                                    |                                   |              |
| Model width no greater than 30 cm (frisbee)                      |                             |                                    |                                   | 4            |
| Correct cell shape: plant (square) & animal (circular)           |                             |                                    |                                   | 20           |
| <b>Organelle</b>   | <b>Present<br/>(4 pts.)</b> | <b>Labels Present<br/>(3 pts.)</b> | <b>Correct label<br/>(3 pts.)</b> |              |
| Cell Membrane  |                             |                                    |                                   | 10           |
| Cell Wall  |                             |                                    |                                   | 10           |
| Chloroplast  |                             |                                    |                                   | 10           |
| Cytoplasm  |                             |                                    |                                   | 10           |
| Mitochondria   |                             |                                    |                                   | 10           |
| Nucleus  |                             |                                    |                                   | 10           |
| Nucleolus  |                             |                                    |                                   | 10           |
| Golgi Complex  |                             |                                    |                                   | 10           |
| E. Reticulum   |                             |                                    |                                   | 10           |
| Vacuoles (size)  |                             |                                    |                                   | 10           |
| N. Membrane  |                             |                                    |                                   | 10           |
| Ribosomes  |                             |                                    |                                   | 10           |
| Organelle numbers are typed & in large font                      |                             |                                    |                                   | 4            |
| Organelles & corresponding labels are securely attached          |                             |                                    |                                   | 8            |
| Organelles are placed at correct locations within the cell       |                             |                                    |                                   | 8            |
| Organelles are recognizable according to shape & features        |                             |                                    |                                   | 12           |
| Organelles are assigned a unique color                           |                             |                                    |                                   | 8            |
| Cell model, organelles, & labels are easily viewed by others     |                             |                                    |                                   | 6            |
| Cell type (animal or plant) is clearly labeled on/near the model |                             |                                    |                                   | 4            |
| <b>Table/Key:</b>  |                             |                                    |                                   |              |
| Table/Key has three columns: number, o. name, & o. function      |                             |                                    |                                   | 10           |
| Organelle numbers on the model correspond to the key             |                             |                                    |                                   | 5            |
| Organelle names on the key correspond to parts on the model      |                             |                                    |                                   | 5            |
| Organelle function is described using correct details            |                             |                                    |                                   | 12           |
| Organelle function is written in complete & coherent sentences   |                             |                                    |                                   | 8            |
| <b>Bonus:</b>  |                             |                                    |                                   |              |
| Exceptional attention to detail & creativity (up to +8)          |                             |                                    |                                   |              |
|  |                             |                                    | Points:                           | 240          |
|  |                             |                                    | Final Grade:                      |              |

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

| 3D Animal Cell Model Project Rubric                              |                             |                                    |                                   |              |
|--|-----------------------------|------------------------------------|-----------------------------------|--------------|
| <b>General Project Guidelines:</b>                               |                             |                                    |                                   | Total Points |
| Proper heading on project (name, date, class, & period)          |                             |                                    |                                   | 4            |
| Project submitted on due date                                    |                             |                                    |                                   | -----        |
| Project materials are not made from perishable foods             |                             |                                    |                                   | 2            |
| <b>Project Design:</b>   |                             |                                    |                                   |              |
| Model width no greater than 30 cm (frisbee)                      |                             |                                    |                                   | 4            |
| Correct cell shape: plant (square) & animal (circular)           |                             |                                    |                                   | 20           |
| <b>Organelle</b>   | <b>Present<br/>(4 pts.)</b> | <b>Labels Present<br/>(3 pts.)</b> | <b>Correct label<br/>(3 pts.)</b> |              |
| Cell Membrane  |                             |                                    |                                   | 10           |
| Cytoplasm  |                             |                                    |                                   | 10           |
| Mitochondria   |                             |                                    |                                   | 10           |
| Nucleus  |                             |                                    |                                   | 10           |
| Nucleolus  |                             |                                    |                                   | 10           |
| Golgi Complex  |                             |                                    |                                   | 10           |
| E. Reticulum   |                             |                                    |                                   | 10           |
| Vacuoles (size)  |                             |                                    |                                   | 10           |
| N. Membrane  |                             |                                    |                                   | 10           |
| Ribosomes  |                             |                                    |                                   | 10           |
| Lysosomes  |                             |                                    |                                   | 10           |
| Organelle numbers are typed & in large font                      |                             |                                    |                                   | 4            |
| Organelles & corresponding labels are securely attached          |                             |                                    |                                   | 8            |
| Organelles are placed at correct locations within the cell       |                             |                                    |                                   | 8            |
| Organelles are recognizable according to shape & features        |                             |                                    |                                   | 12           |
| Organelles are assigned a unique color                           |                             |                                    |                                   | 8            |
| Cell model, organelles, & labels are easily viewed by others     |                             |                                    |                                   | 6            |
| Cell type (animal or plant) is clearly labeled on/near the model |                             |                                    |                                   | 4            |
| <b>Table/Key:</b>  |                             |                                    |                                   |              |
| Table/Key has three columns: number, o. name, & o. function      |                             |                                    |                                   | 10           |
| Organelle numbers on the model correspond to the key             |                             |                                    |                                   | 5            |
| Organelle names on the key correspond to parts on the model      |                             |                                    |                                   | 5            |
| Organelle function is described using correct details            |                             |                                    |                                   | 12           |
| Organelle function is written in complete & coherent sentences   |                             |                                    |                                   | 8            |
| <b>Bonus:</b>  |                             |                                    |                                   |              |
| Exceptional attention to detail & creativity (up to +8)          |                             |                                    |                                   |              |
|  |                             |                                    | Points:                           | 230          |
|  |                             |                                    | Final Grade:                      |              |

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

| 2D Animal Cell Poster Rubric                                     |                             |                                    |                                   |              |
|--|-----------------------------|------------------------------------|-----------------------------------|--------------|
| <b>General Project Guidelines:</b>                               |                             |                                    |                                   | Total Points |
| Proper heading on poster (name, date, class, & period)           |                             |                                    |                                   | 4            |
| Project submitted on due date                                    |                             |                                    |                                   | -----        |
| Project materials are not made from perishable foods             |                             |                                    |                                   | 2            |
| <b>Project Design:</b>   |                             |                                    |                                   |              |
| Use of large poster paper (28 x 22 or equivalent)                |                             |                                    |                                   | 10           |
| Correct cell shape: plant (square) & animal (circular)           |                             |                                    |                                   | 10           |
| <b>Organelle</b>   | <b>Present<br/>(4 pts.)</b> | <b>Labels Present<br/>(3 pts.)</b> | <b>Correct label<br/>(3 pts.)</b> |              |
| Cell Membrane  |                             |                                    |                                   | 10           |
| Cytoplasm  |                             |                                    |                                   | 10           |
| Mitochondria   |                             |                                    |                                   | 10           |
| Nucleus  |                             |                                    |                                   | 10           |
| Nucleolus  |                             |                                    |                                   | 10           |
| Golgi Complex  |                             |                                    |                                   | 10           |
| E. Reticulum   |                             |                                    |                                   | 10           |
| Vacuoles (size)  |                             |                                    |                                   | 10           |
| N. Membrane  |                             |                                    |                                   | 10           |
| Ribosomes  |                             |                                    |                                   | 10           |
| Lysosomes  |                             |                                    |                                   | 10           |
| Organelle names are typed & in large font                        |                             |                                    |                                   | 10           |
| Organelles & corresponding labels are securely attached          |                             |                                    |                                   | 6            |
| Organelles are drawn/placed at correct locations within the cell |                             |                                    |                                   | 8            |
| Organelles are recognizable according to shape & features        |                             |                                    |                                   | 12           |
| Organelles are assigned a unique color                           |                             |                                    |                                   | 8            |
| Cell model, organelles, & labels are easily viewed by others     |                             |                                    |                                   | 10           |
| Cell type (animal or plant) is clearly labeled on the poster     |                             |                                    |                                   | 5            |
| <b>Table/Key:</b>  |                             |                                    |                                   |              |
| Table/Key has three columns: color, o. name, & o. function       |                             |                                    |                                   | 8            |
| Organelle names on the model correspond to the key               |                             |                                    |                                   | 7            |
| Organelle function is described using correct details            |                             |                                    |                                   | 12           |
| Organelle function is written in complete & coherent sentences   |                             |                                    |                                   | 8            |
| <b>Bonus:</b>  |                             |                                    |                                   |              |
| Exceptional attention to detail & creativity (up to +8)          |                             |                                    |                                   |              |
|  |                             |                                    | Points:                           | 230          |
|  |                             |                                    | Final Grade:                      |              |

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

| 2D Plant Cell Model Project Rubric                               |                     |                            |                           |              |
|--|---------------------|----------------------------|---------------------------|--------------|
| <b>General Project Guidelines:</b>                               |                     |                            |                           | Total Points |
| Proper heading on project (name, date, class, & period)          |                     |                            |                           | 4            |
| Project submitted on due date                                    |                     |                            |                           | -----        |
| Project materials are not made from perishable foods             |                     |                            |                           | 2            |
| <b>Project Design:</b>   |                     |                            |                           |              |
| Use of large poster paper (28 x 22 or equivalent)                |                     |                            |                           | 10           |
| Correct cell shape: plant (square) & animal (circular)           |                     |                            |                           | 10           |
| Organelle  | Present<br>(4 pts.) | Labels Present<br>(3 pts.) | Correct label<br>(3 pts.) |              |
| Cell Membrane  |                     |                            |                           | 10           |
| Cell Wall  |                     |                            |                           | 10           |
| Chloroplast  |                     |                            |                           | 10           |
| Cytoplasm  |                     |                            |                           | 10           |
| Mitochondria   |                     |                            |                           | 10           |
| Nucleus  |                     |                            |                           | 10           |
| Nucleolus  |                     |                            |                           | 10           |
| Golgi Complex  |                     |                            |                           | 10           |
| E. Reticulum   |                     |                            |                           | 10           |
| Vacuoles (size)  |                     |                            |                           | 10           |
| N. Membrane  |                     |                            |                           | 10           |
| Ribosomes  |                     |                            |                           | 10           |
| Organelle names are typed & in large font                        |                     |                            |                           | 10           |
| Organelles & corresponding labels are securely attached          |                     |                            |                           | 6            |
| Organelles are drawn/placed at correct locations within the cell |                     |                            |                           | 8            |
| Organelles are recognizable according to shape & features        |                     |                            |                           | 12           |
| Organelles are assigned a unique color                           |                     |                            |                           | 8            |
| Cell model, organelles, & labels are easily viewed by others     |                     |                            |                           | 10           |
| Cell type (animal or plant) is clearly labeled on the poster     |                     |                            |                           | 5            |
| <b>Table/Key:</b>  |                     |                            |                           |              |
| Table/Key has three columns: color, o. name, & o. function       |                     |                            |                           | 8            |
| Organelle names on the model correspond to the key               |                     |                            |                           | 7            |
| Organelle function is described using correct details            |                     |                            |                           | 12           |
| Organelle function is written in complete & coherent sentences   |                     |                            |                           | 8            |
| <b>Bonus:</b>  |                     |                            |                           |              |
| Exceptional attention to detail & creativity (up to +8)          |                     |                            |                           |              |
|  |                     |                            | Points:                   | 230          |
|  |                     |                            | Final Grade:              |              |

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

| <b>Board Game Project Rubric</b>                                   |              |     |
|--|--------------|-----|
| <b>Board Game Project Guidelines</b>                               |              |     |
|  | Total Points |     |
| Instructions for playing the board game are provided               |              | 15  |
| Player game pieces are provided                                    |              | 15  |
| Animal/ or Plant organelle names used during gameplay              |              | 15  |
| Animal/ or Plant organelle functions used during gameplay          |              | 15  |
| Players must recall names and/or functions of cell organelles      |              | 15  |
| Clear goal/objective to winning the game                           |              | 15  |
| Positive & negative spaces, cards, etc. used in gameplay           |              | 15  |
| Clear means to track who is winning/losing the game                |              | 10  |
| As gameshow host, you direct the flow & fun of the game            |              | 10  |
| Game play should be complex enough to last 25 minutes              |              | 10  |
|  |              |     |
| <b>Secret Ballot Student Evaluation: Is your game fun to play?</b> |              | 20  |
| <b>Game Board</b>  |              |     |
| Well-constructed; adhesives not easily visible                     |              | 15  |
| Title of the game is creatively prepared on the game board         |              | 15  |
| Use of different colors for spaces, cards, game pieces, etc.       |              | 15  |
| Organelles represented by different colors                         |              | 15  |
| Reinforces theme of animal & plant cells                           |              | 15  |
|  |              |     |
| <b>Bonus:</b>  |              |     |
| Exceptional attention to detail & creativity (up to +8)            |              |     |
|  | Points:      | 230 |
|  | Final Grade: |     |

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

| <b>Song/Rap Project Rubric</b>                                       |                     |     |
|--|---------------------|-----|
| <b>Song Guidelines</b>   | <b>Total Points</b> |     |
| Provide your teacher with the lyrics to your song                    |                     | 20  |
| Used audio recording or performed it live                            |                     | 50  |
| Animal/ or Plant organelle names used in the song                    |                     | 30  |
| Animal/ or Plant organelle functions used creatively in the song     |                     | 50  |
| Use of musical instruments or background tracks                      |                     | 25  |
| Song was a minimum of 1.25 minutes in length                         |                     | 35  |
| <b>Secret Ballot Student Evaluation: Just how good is your song?</b> |                     |     |
|  |                     | 20  |
| <b>Bonus:</b>  |                     |     |
| Exceptional attention to detail & creativity (up to +8)              |                     |     |
|  | Points:             | 230 |
|  | Final Grade:        |     |

| <b>Song/Television Video Project Rubric</b>                           |                     |     |
|---|---------------------|-----|
| <b>Video Guidelines</b>   | <b>Total Points</b> |     |
| Provide your teacher with a 2 paragraph video summary                 |                     | 15  |
| Provide your teacher with a CD or YouTube address of video            |                     | 15  |
| Video is educational & fun; like Bill Nye videos                      |                     | 50  |
| Animal/ or Plant organelle names used in the video                    |                     | 35  |
| Animal/ or Plant organelle functions used creatively in the video     |                     | 50  |
| Use of music or background tracks                                     |                     | 35  |
| Video is a minimum of 5 minutes in length                             |                     | 30  |
| <b>Secret Ballot Student Evaluation: Just how good is your video?</b> |                     |     |
|   |                     | 20  |
| <b>Bonus:</b>   |                     |     |
| Exceptional attention to detail & creativity (up to +8)               |                     |     |
|   | Points:             | 230 |
|   | Final Grade:        |     |