**Macintosh HD:Users:lisadouglass:Desktop:MC900185335.WMFThe Cell Project** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Objective: Create a 3-dimensional model of a plant cell with a key that identifies and describes the function of the following organelles:

1. Cell wall
2. Cell membrane
3. Cytoplasm
4. Mitochondria
5. Vacuole
6. Nucleus
7. Chloroplasts

Your cell project is **due February 10th**,but you may turn it in sooner!

### Material Guidelines:

* To hold your cell use boxes; plastic bags; clear plastic containers, Styrofoam balls (NO GLASS).
* Small items such as beads, pipe cleaners, straw, buttons, batteries, thread, ribbons, shoestrings, yarn.
* Materials such as sponges, clay, fabric, cardboard, newspaper.
* (NO LIQUIDS OR GELS that can make a leaky mess).
* Please do not purchase materials to make the model.
* Due to possible food allergies, please do not use food.
* Be creative and use what you have around the house or what natural resources you may find outside!

**Rubric:**

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| Identifies and describes the cell wall | /12 |
| Identifies and describes the cell membrane | /12 |
| Identifies and describes the cytoplasm | /12 |
| Identifies and describes the mitochondria | /12 |
| Identifies and describes the vacuole | /12 |
| Identifies and describes the nucleus | /12 |
| Identifies and describes the chloroplast | /12 |
| Creativity and neatness | /16 |