

Cell Model Home Lab

Build a cell model using inexpensive things that you find on your own.

1. Start with a **cell membrane**. **USE A PLASTIC BAG.**
All cells have a cell membrane or thin skin like covering that lets things in and out. A plastic bag is a good representation.
2. Think about your **cytoplasm**. The "gel" of the cell is thicker than water but not set like "jello". You can probably find something better, but **IF YOU USE WATER** for cytoplasm, please **WAIT** until you get to class to add the water.
3. Add a **nucleus**. This could be any **BALL** that fits in your plastic bag or **cell membrane**. **BUT**, if you find a sphere (ball) that has a way to have **nucleolus** and **chromatin** or stringy **chromosomes** **INSIDE**, that is even better.
4. Do you want to build a **plant cell or animal cell?**
If you want a plant cell, you need to add a cell _____.
A good cell wall would be a B _ _ .

PLANT Cells also have green **chloroplasts**.
5. Add some **mitochondria** such as a _____ or _____.
- 6.. Check the drawings on your calendar or those in your book for ideas to add more **organelles**.

✓✓ **Have checked.**

You must describe your cell model and its parts to your teacher to the points. You may use notes.

2 points each _____