

Name: _____

Date: _____

Ozobot Cell Model

Learning Target: I can develop and use a model to describe the function of the cell as a whole and the ways the parts contribute to the function.

Parts of Cell Required: cell wall, cell membrane, nucleus, chloroplast and mitochondrion

You can add additional parts for extra credit.

Planning Sheet:

1. You will be drawing a working model of the cell that your ozobot can travel through autonomously using color codes.
2. You MUST include at minimum the 5 cell parts listed above.
3. Fill in chart below to have functions of cell handy.
4. Use the back of this sheet to plan your layout of the cell and how your bot will move through the cell.
5. When you have finished planning, see your instructor for a large blank piece of paper. This will be for your FINAL copy.
6. You will only get ONE final paper. If you make mistakes, as within coding sometimes things don't work, you will use stickers to fix the code.
7. After each part of the cell is programmed, be sure to test it to make sure your bot moves through the cell.
8. Once finished, you will be recording your ozobot's journey through the cell. You must narrate the journey, explaining each cell part that the ozobot travels to and what the function of that part is within the cell.

Cell Part	Function within Cell
Cell wall	
Cell membrane	
Nucleus	
Mitochondrion	
Chloroplast	

Extension: Create an analogy of an everyday object to the function of each cell part.