## Cell City 101 video notes

**In today's video we will be covering organelle_____, organelle_____, and cell _____**

Mr. Nucleus controls organelles that build_____; store, clean up, and_____; convert, make, and_____; and_____the cell

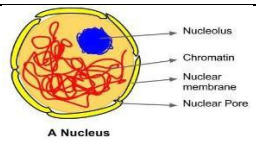
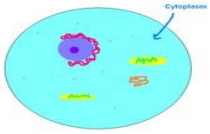
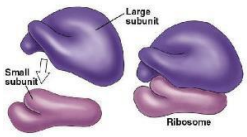
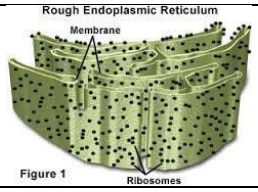
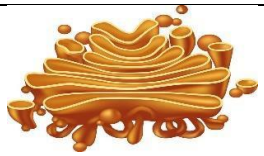
***Organelles that build proteins include***:_____, Rough endoplasmic reticulum, Golgi _____ _____and Vesicles.

***Organelles that store, clean up, and support include:*** Vacuoles,_____, Lysosomes, _____ _____, and _____

***Organelles that convert, make and release energy include:***_____& _____

***Organelles that protect the cell include:***_____& _____

- ***Write the function of and cell city description for each organelle in the chart below.*** -

| *Cell organelle* | *Organelle Function* | *Cell city function* | *Organelle structure* |
|---|---|---|---|
| **Nucleus** | | |   |
| **Cytoplasm** | | |   |
| ***Organelles that Build Proteins*** | | | |
| **Ribosome** | | |   |
| **Rough endoplasmic reticulum (RER)** | | |   |
| **Smooth endoplasmic reticulum (SER)** | | |  |
| **Golgi Apparatus** | | |  |



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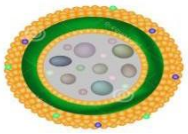
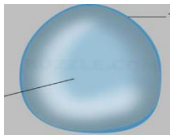
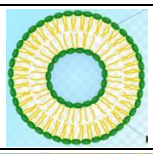
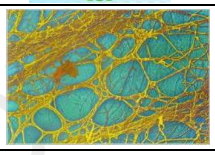
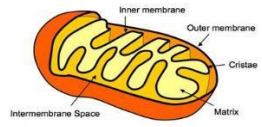
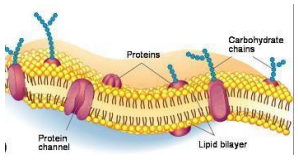
| | | | |
|---|---|---|---|
| ***Organelles that store, clean up, and support*** | | | |
| **Lysosome** | | |  |
| **Vacuoles** | | |  |
| **Vesicles** | | |  |
| **Cytoskeleton** | | |  |
| **Centrioles** | | |  |
| ***Organelles that capture and release energy*** | | | |
| **Mitochondria** | | |  |
| ***Organelles that protect the cell*** | | | |
| **Cell membrane** | | |  |

**Check for Understanding:**

1. What would happen if ribosomes were malfunctioning? _____

_____

2. What would happen if vesicles were malfunctioning? _____

_____

3. What would happen if vacuoles were malfunctioning? _____

_____

4. What would happen if lysosomes were malfunctioning? _____

_____

5. What would happen if the endoplasmic reticulums were malfunctioning? _____

_____

6. How would you save cell city? _____

_____

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