

## Cell Organelle Analogy Collage

Exemplary	Meets	Progressing
Includes all "Meet" criteria + <ul style="list-style-type: none"> <li>• Detailed explanations</li> <li>• Proper conventions</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies similarities (10)</li> <li>• Explanations include at least 1 attribute for each organelle and everyday object</li> <li>• Written in sentence format</li> </ul>	<ul style="list-style-type: none"> <li>• Explanation lack detail</li> <li>• Incomplete sentences</li> <li>• Incomplete</li> </ul>

**Goal:** Demonstrate conceptual level understanding of cell organelle functions and structures by completing **10** original and appropriate analogies between cell organelles and everyday objects. These analogies can refer to an organelle's structure or function.

**Analogy:** A comparison between two things that are similar in some ways, but otherwise different.

- An analogy is like a logical argument.
- The secret to creating an analogy is identifying how they are similar.
- The key to writing an analogy is explaining, in detail, how the two things are similar.
- Analogies are a form of comparison.

**Biology Example:** A Eukaryotic cell is like a prison. The cell wall is similar to the bricks that make-up the outside of a prison. It protects and supports the inside of the building, just like a cell wall does for the inside of a cell.

### Analysis:

- It seems to start out as a simile – using the work "like" in "A Eukaryotic cell is like a prison."
- However, a cell (life giving) is not like a prison (holds people who broke a law), they are different!
- Now you explain the different so that the connection is made between the similarities.

### Directions:

1. Paste a plant or animal cell diagram in the middle of a large sheet of paper.
2. Using your book, notes, or other resources, review the functions and structure of an organelle.
3. Look through magazines pictures to find a picture of something that has a similar function or structure.
4. Paste the magazine picture of object on your paper, near the organelle it represents.
5. Draw a line between the organelle and the picture.
6. Label the picture with the name of the organelle, and number the organelle as appropriate, 1-10
7. On the back of the paper, write the organelle # from step 6, and write (create) your analogy explaining how your picture is similar to the organelle.
8. Repeat steps 2-7 for each of the 10 organelles.