

# Cell City Analogy

In a far away city called Grant City, the main export and production product is the steel widget. Everyone in the town has some thing to do with steel widget making and the entire town is designed to build and export widgets. The town hall has the instructions for widget making, widgets come in all shapes and sized and any citizen of Grant can get the instructions and begin making their own widgets. Widgets are generally produced in small shops around the city; these small shops can be built by the carpenter's union (whose headquarters are in town hall).



After the widget is constructed, they are placed on special carts which can deliver the widget any where in the city. In order for a widget to be exported, the carts take the widgets to the postal office, where the widgets are packaged and labeled for export. Sometimes widgets don't turn out right, and the "rejects" are sent to the scrap yard where they are broken down for parts or destroyed altogether. The town powers the widget shops and carts from a hydraulic dam that is in the city. The entire city is enclosed by a large wooden fence; only the postal trucks (and citizens with proper passports) are allowed out side the city.

Match the parts of the city (underlined) with the parts of the cell.

1. Mitochondria \_\_\_\_\_
2. Ribosomes \_\_\_\_\_
3. Nucleus \_\_\_\_\_
4. Endoplasmic reticulum \_\_\_\_\_
5. Golgi Apparatus \_\_\_\_\_
6. Protein \_\_\_\_\_
7. Cell Membrane \_\_\_\_\_
8. Lysosomes \_\_\_\_\_
9. Nucleolus \_\_\_\_\_

On the back of this paper create your own analogy of the cell using a different model. Some ideas might be: a school, a house, a factory, or anything you can imagine.

