

# Cell Analogy Example

School

# School-Cell Analogy

- In order for a school to run smoothly, there are many different parts that work together to carry out different tasks & functions.
- The same thing happens with all of the organelles in the cell; they work together to carry out the task of the cell.
- Your job is to make a comparison of the parts of the cell to parts of some structure or place in order to help you remember the roles of various cell organelles.

# Think of all the parts that make up the structure or place and what they are for

## Cell Organelle

### Word Bank:

- Vacuole
- Cell Wall
- Cell Membrane
- Nucleus
- Ribosomes
- Mitochondria
- Endoplasmic Reticulum
- Lysosomes
- Chloroplast
- Chromosomes

- **Solar Panels in the parking lot**– Use the sun’s energy to produce power for the school
- **School Walls** – Controls who comes in and goes out of the school.
- **Brick Outside Wall**- Rigid outer structure that helps the school keep its shape.
- **Paper Shredder** – Breaks down larger paper into small strips of paper
- **Lockers** – Stores needed materials
- **Main Office**– Controls the daily functions of the school
- **Generator** – Supplies energy for the school
- **Hallways** – Allow for students to move between classrooms
- **Filing Cabinets** in Main Office– Contain student information
- **Cafeteria** – **Ribs** are for lunch today, and ribs contain a lot of protein.

Match them to the parts of the cell  
and then draw and label them

**Examples:**

- **Chloroplasts are like the Solar Panels in the parking lot**– Because they use the sun’s energy to produce energy for the cell like the solar panels produce energy for the school
- **Cell Membrane is like the School Walls**  
– Because it controls who comes in and goes out of the school.

