Organelles Quiz: Monday, November 24th

\*Your child will be expected to match the organelle with its function. Also, your child will need to be able to list which organelles are a part of plant cells and which organelles are part of animal cells.

**Nucleus** (plant/animal): This is considered the “brain” of the cell because it directs all of the activities within the cell.

**Chromosomes** (plant/animal): They are inside the nucleus and contain information (DNA) about the cell.

**Cell membrane** (plant/animal): It allows water and nutrients to pass into the cell. It stops harmful materials from entering the cell. It acts like a border patrol.

**Cell wall** (plant only): It gives the plant its shape. It holds everything in for the plant cell. It protects the cell.

**Cytoplasm** (plant/animal): It is like jelly that is throughout the cell and holds the organelles.

**Chloroplasts** (plant only): They make food for the cell through photosynthesis.

**Vacuole** (plant/animal): They store food, water, or wastes for the cell.

**Vesicle** (plant/animal): They transport materials throughout the cell.

**Mitochondria** (plant/animal): They are called the “powerhouses” of the cells because they release energy from food.

**Ribosomes** (animal): They create or make proteins for the cell.

**Rough Endoplasmic Reticulum called Rough ER** (animal): It stores proteins. It is called the Rough ER because it has ribosomes stuck to it.

**Smooth Endoplasmic Reticulum called Smooth ER** (animal): It acts like a storage for the cell. It stores lipids (fats) and steroids. It looks like a tube and smooth.