**Parts of a Cell**

**Cell membrane** – Protective \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that encloses a \_\_\_\_\_\_\_\_\_\_\_\_\_. Contains lipids, proteins and phospholipids. Some of the proteins and lipids \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of materials \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Cytoplasm** – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inside a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Organelles** – one of the small \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a cell’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to perform a specific \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Nucleus** – \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells \_\_\_\_\_\_\_\_\_\_\_\_ a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Contains cell’s \_\_\_\_\_\_\_\_\_\_\_.

**DNA** – Deoxyribonucleic Acid. All \_\_\_\_\_\_\_\_\_\_\_\_\_ contain \_\_\_\_\_\_\_\_\_\_\_\_. DNA is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that carries information needed to \_\_\_\_\_\_\_\_\_\_\_\_ new \_\_\_\_\_\_\_\_\_\_\_\_ and new \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. In \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells, the DNA is enclosed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Chloroplasts** - Located in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and algae \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Photosynthesis takes place here. Contain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ causing the organelle to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Vacuoles** - In \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and fungal cells. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ water and other liquids. Help \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells. Plants wilt when vacuoles lose water.