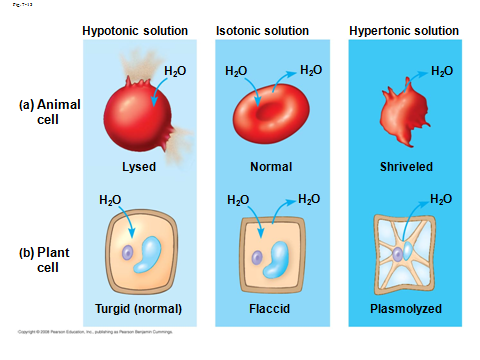
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tonicity of Solution** | **Concentration of**  **Solute (outside of cell)** | **Water (outside of cell)** | **Net Movement** | **End Product** |
| **Isotonic** | Same as cell | Same as cell | None | **None** |
| **Hypotonic** | Less than cell | More than cell | Cell gains water | **Swells**, turgor pressure |
| **Hypertonic** | More than cell | Less than cell | Cell loses water | **Shrinks** plasmolysis |



**Know the vocabulary:**

Osmosis

Osmotic Pressure

Hypertonic solution

Hypotonic solution

Isotonic solution

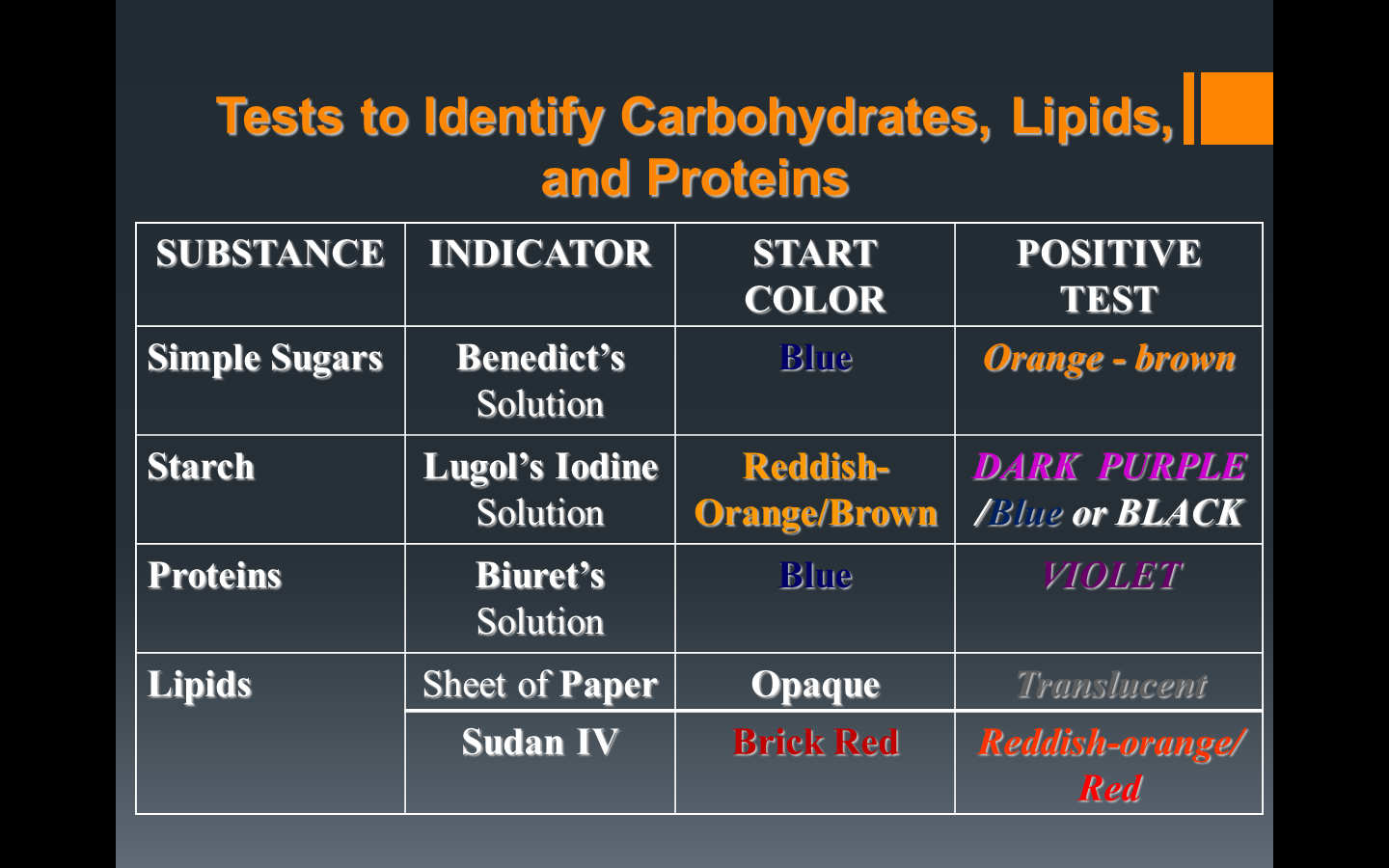
Turgid

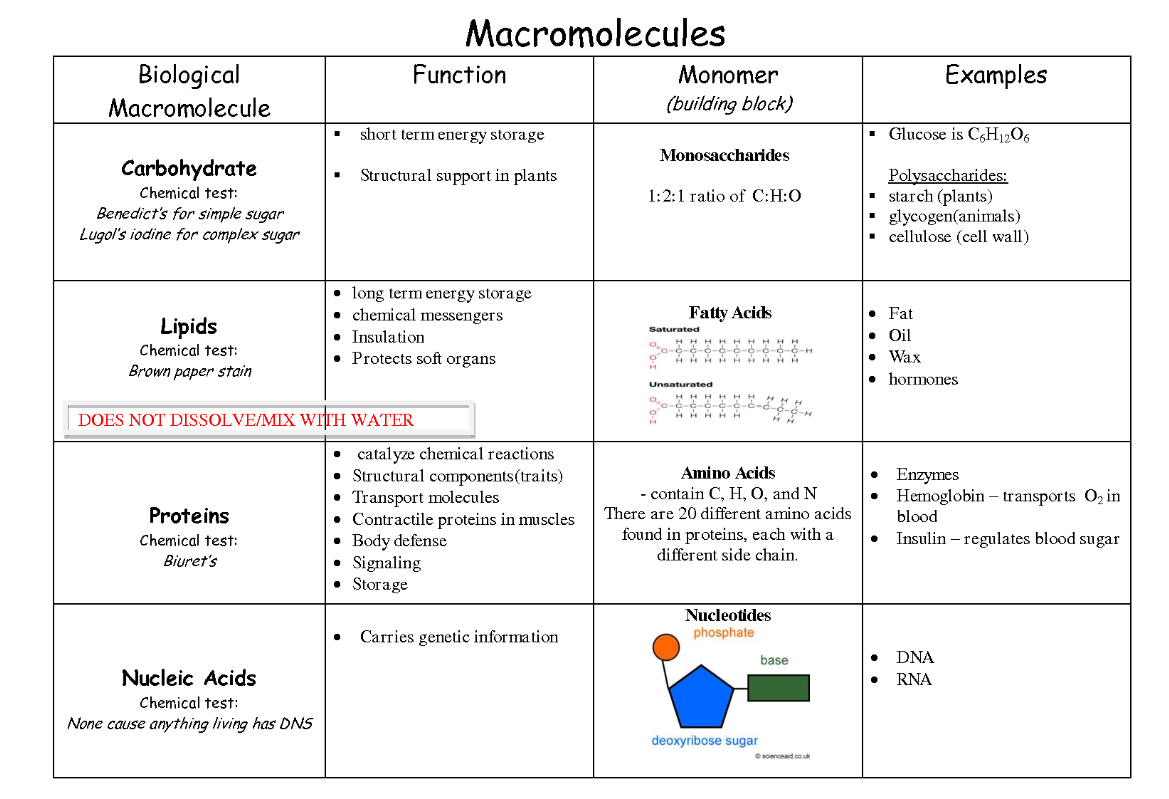
Flaccid

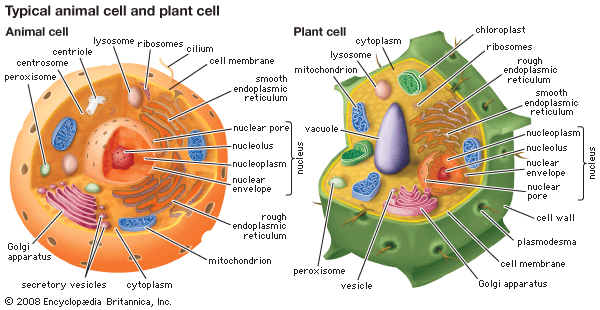
Plasmolyzed

Hemolysis

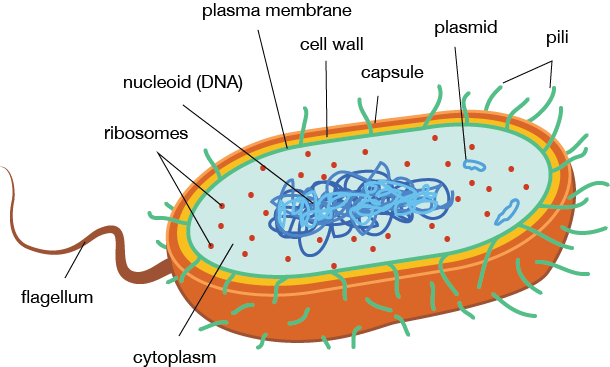
Crenate / Crenation







See page 199 in the textbook for the functions of the cell organelles



**Bacterial cell**

