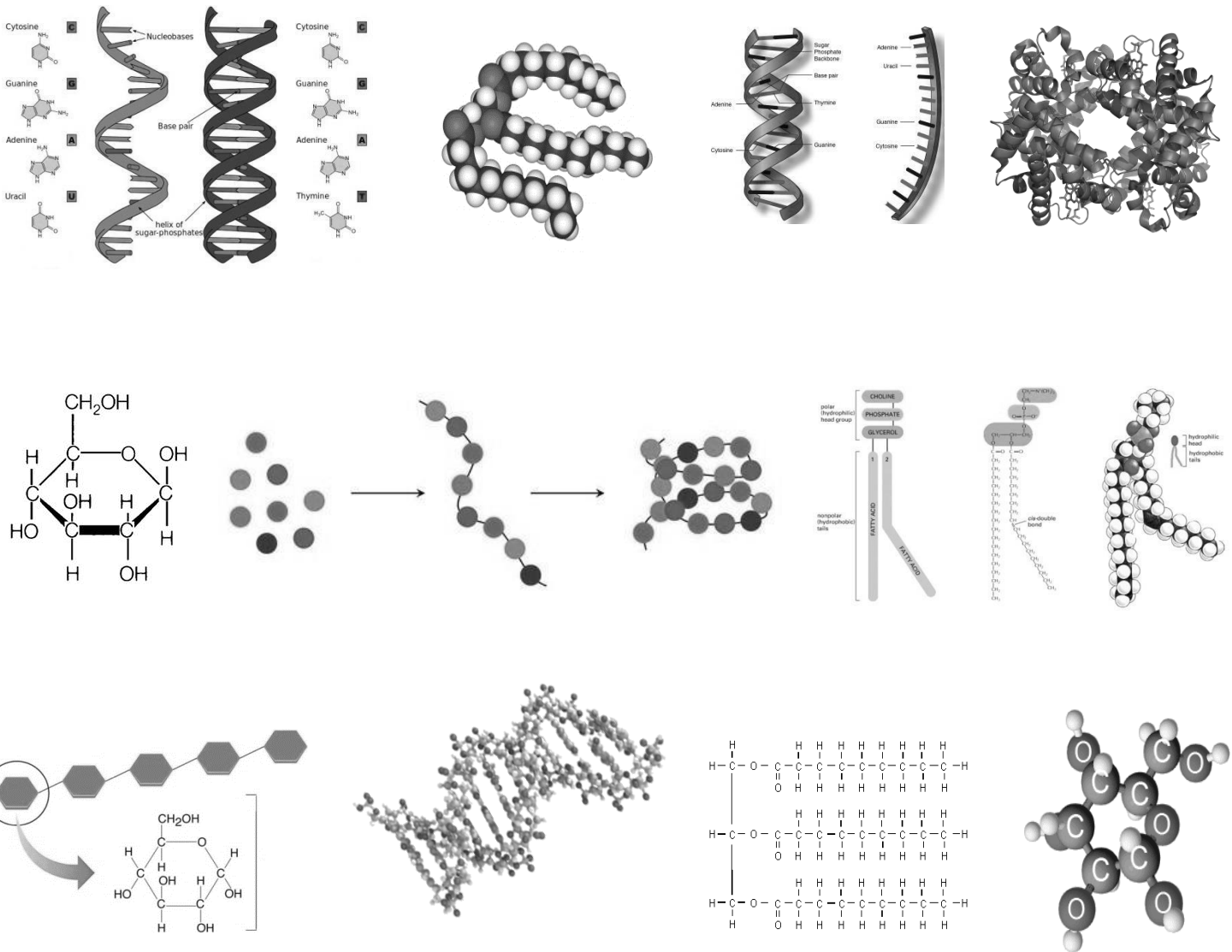


**Macromolecule Structures:**



**Lab Information:**

Students performed an experiment with hydrogen peroxide ( $\text{H}_2\text{O}_2$ ) and beef liver. Students understood that  $\text{H}_2\text{O}_2$ , when left in the open with no other material added to it, releases oxygen into the air, leaving behind water ( $\text{H}_2\text{O}$ ). However this is a slow process that could take several hours to even notice a difference. For their experiment, students took the temperature of the  $\text{H}_2\text{O}_2$  and then added a piece of beef liver. When the liver touches the  $\text{H}_2\text{O}_2$  it immediately starts to bubble and a gas is quickly given off that has the properties of oxygen. In a short time, the reaction stops and students take the temperature to find that it has risen 3 degrees Celsius. As a control, students watch for change in a beaker with ammonia ( $\text{NH}_3$ ) and liver to find that in the same time its temperature is unchanged and no bubbles are observed.