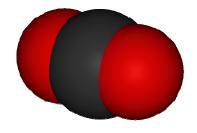
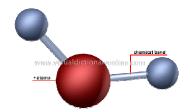
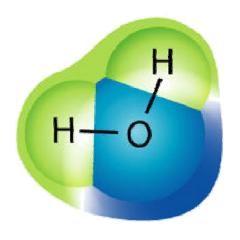
# Carbon Dioxide - CO<sub>2</sub>

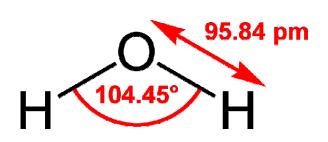




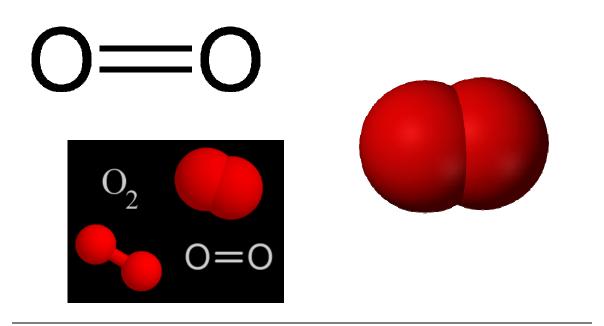
# O = C = O

### Water - H<sub>2</sub>0

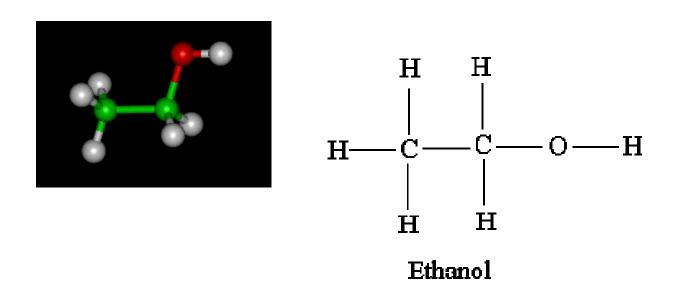




### Oxygen - 0<sub>2</sub>

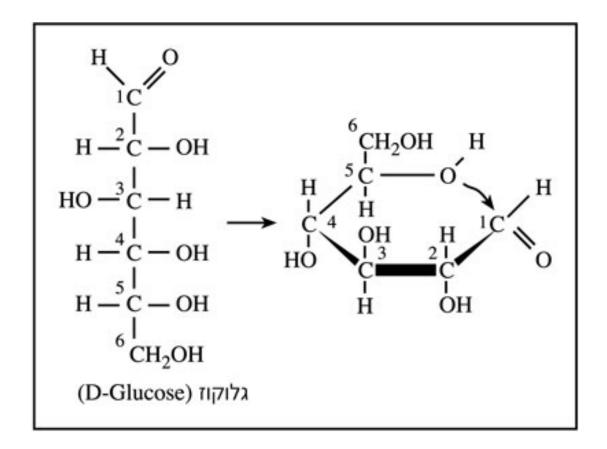


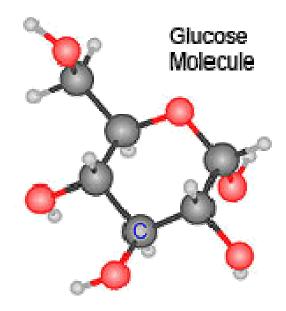
#### Ethyl Alcohol - C<sub>2</sub>H<sub>5</sub>OH



Ethyl Alcohol = Ethanol

# Glucose - C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>





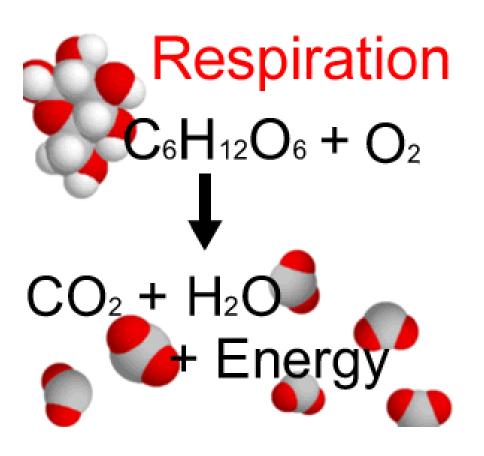
### **Photosynthesis**

Photosynthesis

$$\begin{array}{c} {}^{\text{light}}_{\text{energy}} \\ 6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \end{array}$$

Respiration

$$C_6H_{12}O_6 + 6O_2 \rightarrow energy + 6CO_2 + 6H_2O$$



#### **Anaerobic Respiration**

 $C_6H_{12}O_6\rightarrow 2C_2H_5OH + 2CO_2 + 2ATP$ 

Glucose:  $C_6H_{12}O_6$ 

2 Ethyl Alcohol: 2C<sub>2</sub>H<sub>5</sub>OH

Carbon Dioxide: 2C0<sub>2</sub>

**Adenosine Triphosphate: 2ATP** 

