

Name \_\_\_\_\_ Teacher \_\_\_\_\_ Date \_\_\_\_\_

## Activity 5.3: Materials Cards

Photo Credits:

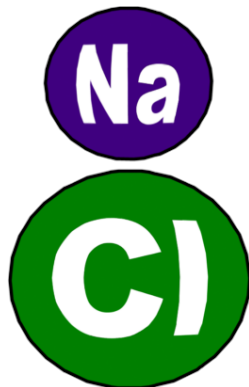
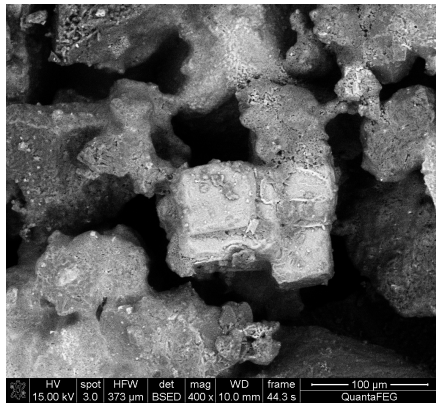
Table Salt microscopic image: Courtesy of FEI

Sugar/Glucose microscopic image: Courtesy of David McCarthy and FEI

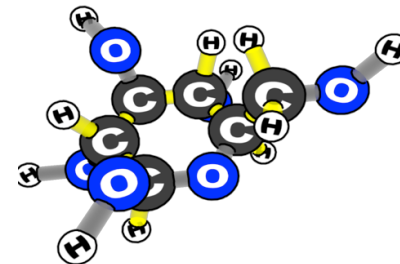
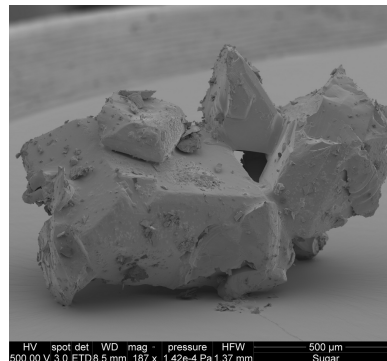
Sand/Quartz microscopic image: Eduardo Palacios

Molecules, Burning Ethanol, Gas Tank, Butane Lighter, Propane Tank: Craig Douglas, Michigan State University

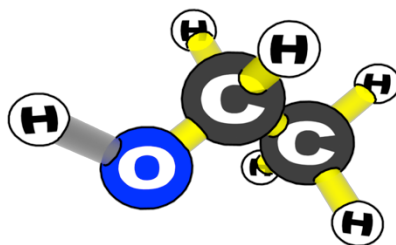
Glass of Water, Limestone, Cellulose, Clouds, Peanuts: Hannah Miller, Michigan State University



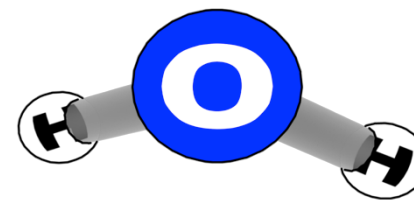
**Table Salt (NaCl)**



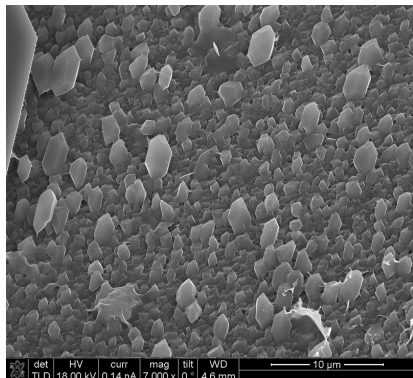
**Sugar/Glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>)**



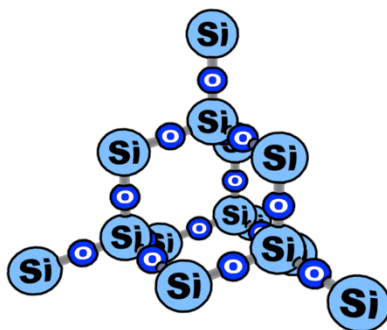
**Ethyl Alcohol or Ethanol (C<sub>2</sub>H<sub>5</sub>OH)**



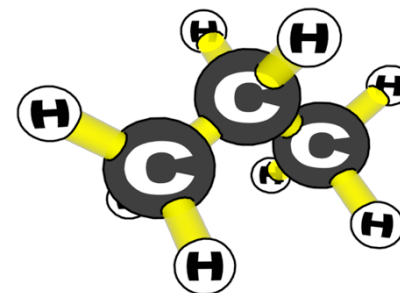
**Water (H<sub>2</sub>O)**



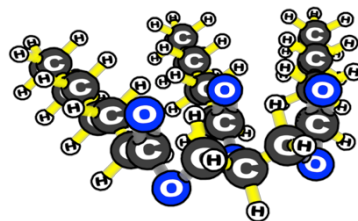
**Sand/Quartz ( $\text{SiO}_2$ )**



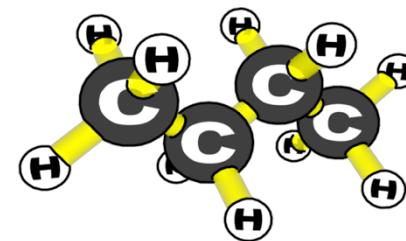
**Propane Gas ( $\text{C}_3\text{H}_8$ )**

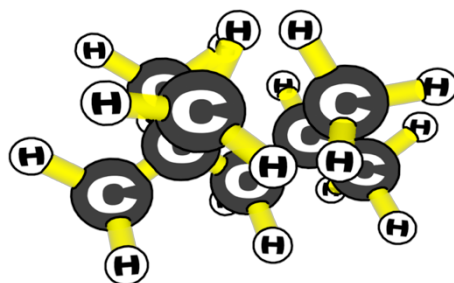


**Lipids/Fats**

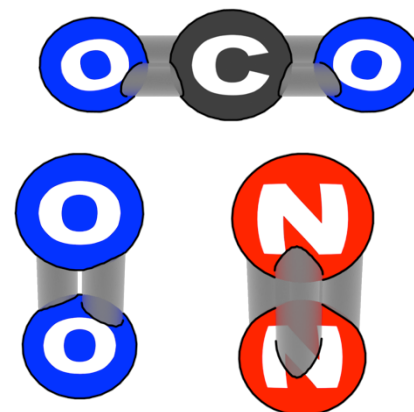


**Butane ( $\text{C}_4\text{H}_{10}$ )**

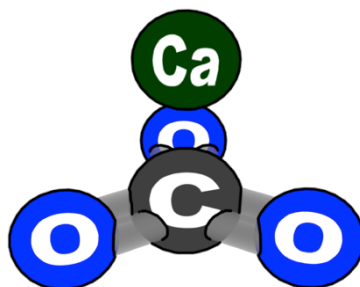




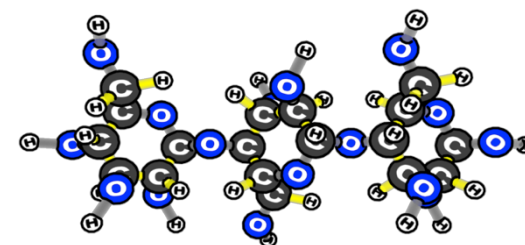
**Gasoline/Octane ( $C_8H_{18}$ )**



**Air ( $N_2$ ,  $O_2$ ,  $CO_2$ )**



**Limestone/Calcium Carbonate ( $CaCO_3$ )**



**Cellulose ( $C_5H_{10}O_5$ )<sub>n</sub>**