

Organic Chemistry

Direction: Based on the videos presented earlier, complete Table A below and answer question B.

A.

Name of Test	Compound Tested	Observation
1. Ignition Test		
a. Flammability	Water, Ethanol, Hexane	When fire was added in water, the fire died. When fire was added in ethanol, the fire ignited. When fire was added in hexane, the fire also ignited but it is much stronger than ethanol.
b. Charring	Sugar	The sugar melted and turned into color brown and it turned into color black charred product.
2. Solubility Test		
a. Naphthalene in water	Naphthalene	Naphthalene didn't dissolved in water thus, naphthalene is insoluble in water.
b. Urea in Water	Urea	Urea dissolved in water thus, urea is soluble in water.
3. Electrical Conductivity		
a. Sugar water	Sugar	When sugar was added, the light didn't brighten up.
b. Salt water	Salt	When salt was added, the light brightens up.

B. Write generalizations stating the observed properties of organic compounds.

Organic compounds contain at least one carbon atom, sometimes hydrogen atom as well and can also contain other nonmetal element. In the presence of oxygen gas, all organic compounds can burn when heated. Organic compounds have low melting point. Organic compounds cannot conduct electricity because their nature of bonding is covalent, thus they are poor conductors of electricity.