# Biology 103 Chapter 3 study guide 2024

Organic Molecules contain \_\_\_\_ and \_\_\_\_ - Carbon and Hydrogen

Characteristics of organic molecules - -have covalent bonds

-have many atoms

-associated with living things

Characteristics of inorganic molecules - -have ionic bonds

-small # of atoms

-associated with nonliving matter

Functional Groups - groups of atoms that can be added to C-H chains

Molecules composed of carbon and hydrogen are \_\_\_\_\_ (water haters) -Hydrophobic

Molecules that have functional groups are \_\_\_\_\_ and \_\_\_\_ (water lovers) polar and hydrophilic

Hyrdoxyl group contains what compound - Alcohol

Carbonyl contains what compound - Aldehyde Ketone

Carboxyl - Carboxylic acid

# **Biology 103 Study Guide**

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