## Names and formulas of selected Alkyl Groups

Keep in mind that carbon atoms in single bonds rotate freely; therefore, the following structures (and line-bond formulas) may take a slightly different shape. You should be able to identify these side chains (substituents or branches) in any organic molecule.

Substituents with double and triple bonds: (With the exception of Vinyl, you don't have to memorize them.)

$$HC = C - \xi$$
 or  $\int_{-\infty}^{\infty} Ethynyl$   $HC = C - C - \xi$  or  $\int_{-\infty}^{\infty} Propargyl$