**exercise #15:Naming Alkenes**

**Organic Chem I Alfred State College**





**2-methylpropene 2-chloro-3-methylcyclohexene**









 **3-buten-2-ol 1-buten-3-ol**

**E—2-chloro-2-pentene Z-2-chloro-2-penten-3-ol**

**Structure---> possible names (common, IUPAC...has E/Z forms ?)**

**structure (E/Z ) ? name**

C-C=C-C-C Yes 2-pentene

 C-C=C-C-C **No 2-methyl-2-pentene**

 |

 C

 vinyl iodide **no**  **iodoethene**



 CH2=CH-OH **no ethenol (IUPAC) or vinyl alcohol(common)**

 CHCl=CH2 **no chloroethene (IUPAC) or vinyl chloride(common)**



**2,4-dimethyl-3-hexene** **yes**

 CH2=CH-CH2-OH no **2-propen-1-ol (IUPAC) or allyl alcohol (common)**