## **Builder Molecules 3**

Part 1: Naming

Given the following structures, write the name of the compound. Be sure to include numbers for branches and location of double and triple bonds.



Part 2: Drawing Structural Diagrams

Given the following names, draw the structural formula of the compound. Be sure to include proper location for branches and location of double and triple bonds.

7) 2-bromo-1-butene

10) cis-2,3-dimethyl-2-hexene

Name:

8) 3-chloro-2-nonanol

11) 1-methyloctanate

9) 2,3,4-trichloropentane

12) 2,4-decanediol

## **Builder Molecules 3**

4)

Part 1: Naming

1)

Given the following structures, write the name of the compound. Be sure to include numbers for branches and location of double and triple bonds.

	 CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>3</sub> -CH <sub>2</sub> -C=C-CH <sub>3</sub>	 CH3-CH-CH-CH2-CH3   Cl
2)	$\begin{array}{c} CH_2\text{-}CH_2\\ / & \backslash\\ CH_2 & CH\text{-}OH\\ \backslash & /\\ CH_2\text{-}CH_2 \end{array}$	5) HO-C=O   CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>3</sub>
3)	OH   CH3-CH2-CH-CH2-CH3	6) $O-CH_3$   $O=C-CH_2-CH_2-CH_2-CH_3$

Part 2: Drawing Structural Diagrams

Br Br

Given the following names, draw the structural formula of the compound. Be sure to include proper location for branches and location of double and triple bonds.

7) 4-bromodecane

10) 1-methylpropanoate

8) 1-pentanol

11) trans-2,3-dimethyl-2-hexene

9) 2,4,6-trifluorononane

12) methanoic acid

Covalent

Name: \_\_\_\_\_

 $CH_3$