## **Constitutional Isomers and Line-Angle Structures**

Please provide the <u>line-angle structures</u> and the <u>IUPAC name</u> for *all* of the constitutional isomers of the following:

Hint: fluorine designated with fluoro- prefix.

 $C_3H_6F_2$ 

Missed the Wave, Week 2 Provide the <u>line-angle structures</u> for <i>all</i> of the	CH 320M constitutional isomers of the following:	Iverson Fall 2025
$C_3H_9N$		

## $C_4H_7F$

Hint: begin by imagining all possible carbon chains, then add substituents to give all possible constitutional isomers. Make sure to count the hydrogens!

Please provide the <u>resonance structures</u> for the following molecule, using arrows to show the flow of electrons.

Why is it reasonable to propose the middle structure?