

¹H NMR Spectroscopy: Interpretation & Prediction; Reactions

Names: _____
Chem 227/ Dr. Rusay

For spectra and weight percent/molar mass data refer to **Activity 2**:
<http://chemconnections.llnl.gov/organic/Chem227/227assign-06.html>

Provide structures and NMR data supporting your respective structures.

<i>Unknown's Structure and labeled Hs</i>	<i>Provide chemical shifts (δ ppm), and respective splitting patterns: singlet (s), doublet (d), triplet (t), quartet (q) or multiplet (m) for each signal and the signal's integration relative to the number of Hs.</i>
<i>EXAMPLE:</i> $\begin{array}{ccc} a & b & c \\ \text{CH}_3 & \text{CH}_2 & \text{OH} \end{array}$	$\begin{array}{l} a \quad \delta = 1.23 \text{ (t, 3H)} \\ b \quad \delta = 2.61 \text{ (q, 2H)} \\ c \quad \delta = 3.90 \text{ (s, 1H)} \end{array}$
<i>UNKNOWN A</i>	
<i>UNKNOWN B</i>	
<i>UNKNOWN C</i>	

<i>UNKNOWN D</i>	
<i>UNKNOWN E</i>	
<i>UNKNOWN F</i>	
<i>UNKNOWN G</i>	
<i>UNKNOWN H</i>	

