

4.1: Gas Chromatography Prelab

Using a Gas Chromatograph Prelab (5 points)

1. Complete the table below. Look up the boiling points online for the ketones listed. (1 point)
2. Predict the order in which these compounds will exit the GC column (known as *elution order*). Rate the compound you think will exit the column first with the number 1; the last compound to exit the column is given the number 3. (1 point)

Compound	Boiling point (°C)	Predicted elution order (1–3)
2-butanone		
cyclohexanone		
acetone		

3. Draw the structure of each compound. (3 points)

Compound	Structure
2-butanone	
cyclohexanone	
acetone	

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