



# IR PROBLEMS 1

The IR spectra of six compounds are shown. Complete the table to match the spectra to the compounds. Identify any key signals you used to identify each compound. You may not be able to decide between two of the compounds.

	butanoic acid	butanone	but-2-en-1-ol
Structure	<chem>CCCC(=O)O</chem>	<chem>CCCC(=O)C</chem>	<chem>CCC=CCO</chem>
Spectrum	T	R	S
Signal(s)	O-H acid	C=O	C=C O-H alcohol
Wavenumber range (cm <sup>-1</sup> )	2500 - 3500	1700 - 1750	1600 - 1650 3300 - 3550
	2-methylpropan-2-ol	2-methylbutan-1-ol	pent-1-ene
Structure	<chem>CC(C)(C)C(O)C</chem>	<chem>CCC(C)CCO</chem>	<chem>CCC=CC</chem>
Spectrum	Q / U	Q / U	P
Signal(s)	O-H alcohol	O-H alcohol	C=C
Wavenumber range (cm <sup>-1</sup> )	3200 - 3550	3200 - 3550	1600 - 1650



# Ir Problems Answers Chemsheets

**Marco Cascella**



## **Ir Problems Answers Chemsheets:**

## **Ir Problems Answers Chemsheets** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the energy of words has be more evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **Ir Problems Answers Chemsheets**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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
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