



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 ⁻¹)	2500 - 3000	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 ⁻¹)	3200 - 3550	3200 - 3550	1600 - 1650



Ir Problems Answers Chemsheets

Jessica J Manson



Ir Problems Answers Chemsheets:

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In a digitally-driven world wherever screens reign great and quick interaction drowns out the subtleties of language, the profound secrets and mental subtleties concealed within phrases frequently get unheard. However, set within the pages of **Ir Problems Answers Chemsheets** a captivating literary value blinking with organic emotions, lies an exceptional quest waiting to be undertaken. Published by an experienced wordsmith, this wonderful opus attracts viewers on an introspective trip, softly unraveling the veiled truths and profound affect resonating within ab muscles material of every word. Within the psychological depths of this poignant evaluation, we can embark upon a heartfelt exploration of the book is primary styles, dissect their fascinating publishing fashion, and succumb to the powerful resonance it evokes strong within the recesses of readers hearts.

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