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3. Using ACD Labs 12.02, Calculate And Report The  $^{13}\text{C}$  NMR Chemical Shifts ( , Ppm) For Each Of The Following Compounds Below. 4. Using ACD Labs 12.02, For Each Calculated  $^{13}\text{C}$  NMR Spectrum In Part 3), Using The "Tools" Menu, Select "Off-Resonance", And Report The Splitting Of Ea 7th, 2024

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7's (6.5-8.4) Aromatic Sp<sup>2</sup> Hybridized C-H's 5's (4.8-6.8) Alkene Sp<sup>2</sup> Hybridized C-H's 3's (2.8-4.5) Oxygenated Sp<sup>3</sup> Hybridized C-H's (halogenated And Nitrogenated Alkyl C-H's Will Also Come In This Window ... 6th, 2024

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### **Introduction To <sup>1</sup>H NMR Using The PicoSpin 45 MHz NMR ...**

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3. Compound W Has An Empirical Formula Of  $C_{11}H_{14}O_2$ . Given Are The Following Spectra. A. Determine The Degree Of Unsaturation For The Compound. B. Assign The Five Pertinent Peaks In The IR Spectrum. C. Suggest A Structure For Compound W Based On The Spectra Given. Show All Your 7th, 2024

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### **CHAPTER 12&13- (MS, IR, NMR -Practice Exercises) CHEM ...**

5. Deduce The Structure Of Each Of The Following Compounds In The Basis Of Their <sup>1</sup>H NMR Spectral And Molecular Formula. A) C<sub>8</sub>H<sub>10</sub> δ 1.2 Ppm (triplet, 3H) δ 2.6 Ppm (quarter, 2 H) δ 7.1 Ppm (broad Singlet, 5H) B) C<sub>4</sub>H<sub>4</sub> 4th, 2024

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PRACTICE PROBLEMS: WORD PROBLEMS WITH SCIENTIFIC NOTATION For The Following Problems: 1. Use Scientific Notation. 2. Don't Forget UNITS! 3. Show Your Work. 1. The Body Of A 150 Lb Person Contains  $2.3 \times 10^{-4}$  Lb Of Copper. How Much Copper Is Contained In The Bodies Of 1200 Such People? 2. The Speed Of Light Is Approximately  $3 \times 10^8$  M/s. How ... 6th, 2024

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