CH-314 Structural Analysis
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Jigsaw 3B

Hore Section 3.3. Multiplet patterns

1. The ^{17}O spectrum of $H_2{}^{17}O$ is a triplet. The 1H spectrum has six equally spaced lines with the same intensity. What is the nuclear spin of ^{17}O?

2. The ^{1}H spectrum of CH_2D_2 contains five lines.

    a. What are their relative intensities?

    b. How many lines are there in the ^{1}H spectrum of CHD_3?