Due April 1, 1999

1. Sketch the normal modes of H$_2$O. Describe how the normal modes of HOD differ from those of H$_2$O.

2. Sketch the normal modes of CH$_4$ and CH$_3$D and indicate which are IR and which are Raman active.

3. Problem 16.5 from “exercises”.

4. Problem 1.8 from “problems”.

5. Problem 16.11 from “problems”.