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Quiz 4
CHEM 507
Feb. 23, 2008

Name: Nader

Optional Questions:

1. What does LASER stand for?

Laser stands for amplified directed beam of light.
yes

2. Why is it necessary to use a laser in Raman spectroscopy?

I don't know. OK

you will know after today

CO₂ gives an IR spectrum (and a detector is greenhouse gas even though it does not have a permanent dipole moment) (10 points)

CO₂ gives IR spectrum because of asymmetric stretching and bending modes which cause charges