

Phys 585

Spring 2024

Worksheet #16
Monday, May 22, 2024

Name

Question (5 pts):

Consider a homonuclear diatomic molecule. What are the symmetries of this system (try to name three)? (in other words, under what transformation of coordinates the electronic part of the Hamiltonian is invariant?) What symmetry do we lose if this is a heteronuclear diatomic molecule?