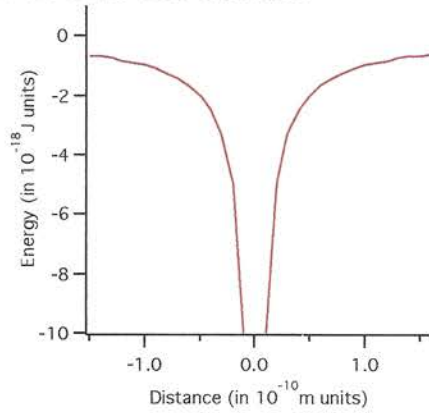
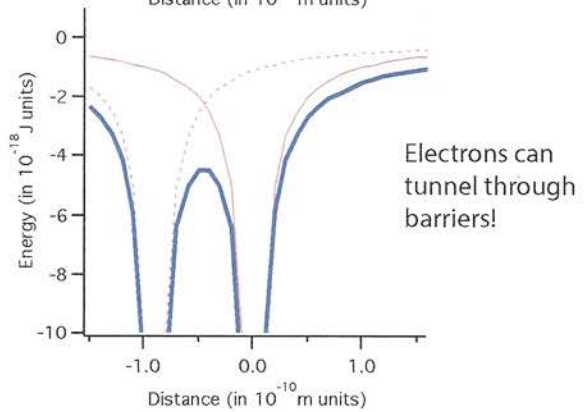
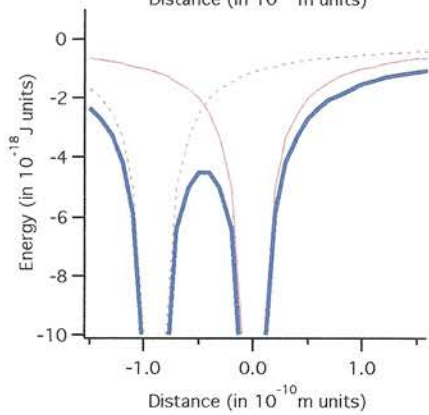
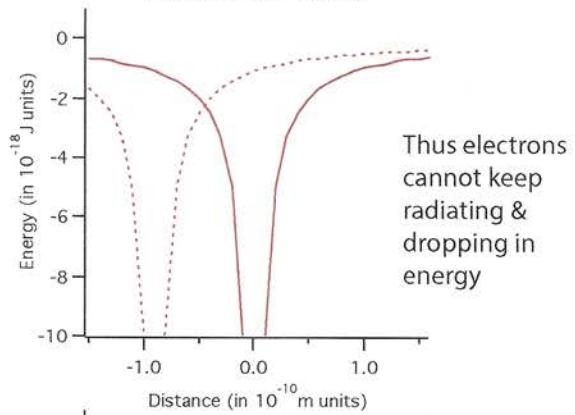
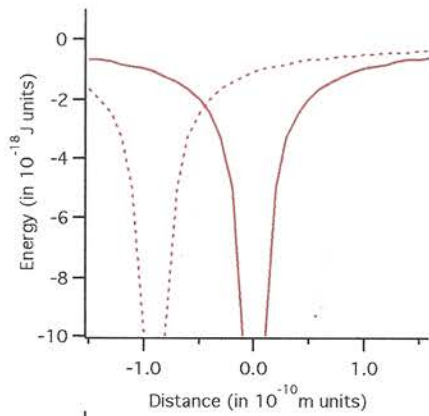
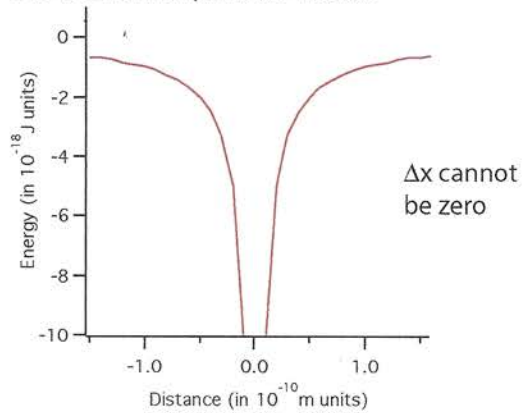


Lecture L4 worksheet

If the world were classical....



But we are in a quantum world...



- electrons would radiate energy until they fuse with the nucleus; result: no chemical bond

-electrons get reflected off the potential barrier between the nuclei, not getting attracted by both nuclei; result: no chemical bond

-electrons confined on one side maintain high kinetic energy, and hence high energy; result: no bond!

