4: 2, 4, 10, 12, 21, 28, 29, 33

On 2, note this is a 220 problem you may have seen (or 121 for gravity and the earth). Use Gauss’ law.

On 4, we refer to the electron in the lowest state of the H atom. Use the Bohr radius for r.

On 10, the wavelength in the ground state is the one that deBroglie guessed, for standing waves.