Problems discussed in the videos:

Video (5)

11.) How many electrons can share the quantum numbers n=3, ℓ=1?

A) 1 B) 2 C) 3 D) 4 E) 6

12.) Which set of quantum numbers is not possible?

A) $n = 2, \ell = 0, m_\ell = 0, m_s = ½$
B) $n = 2, \ell = 1, m_\ell = 0, m_s = ½$
C) $n = 3, \ell = 3, m_\ell = 1, m_s = ½$
D) $n = 4, \ell = 2, m_\ell = 1, m_s = ½$
E) $n = 5, \ell = 4, m_\ell = 2, m_s = ½$