

Quiz Unit 1 Lesson 3

- 1) What is the quantum number whose value is a fraction?**
- a) principal
 - b) subsidiary
 - c) magnetic
 - d) spin
- 2) What is the quantum numbers which is not relied on, to solve the wave equation to explain the behavior of the electron in hydrogen atom ?**
- a) principal
 - b) subsidiary
 - c) magnetic
 - d) spin
- 3) Which of the following choices is filled by the higher number of electrons ?**
- a) one of 4f orbitals.
 - b) 3d sublevel.
 - c) principal level ($n = 2$).
 - d) one of 3d orbitals.
- 4) The electrons of 5d sublevel in one of the atoms can not have the magnetic quantum number**
- a) +1
 - b) -1
 - c) +2
 - d) +3
- 5) Which of the following quantum numbers do not include a mistake ?**
- a) $n = 2, l = 2, m_l = +1$
 - b) $n = 2, l = -1, m_l = 0$
 - c) $n = 3, l = 2, m_l = +3$
 - d) $n = 4, l = 3, m_l = -2$
- 6) Estimate the possible values of the quantum number (m_l) of one of (d) sublevels.**