

## Quiz Unit 1 Lesson 2

**1) The study of hydrogen atomic spectra is considered the key that Bohr used to know**

.....

- a) that the electrons are negatively charged.
- b) that the atom contains a central nucleus.
- c) the energy levels of the atom.
- d) all the previous.

**2) Which of the following statements is a scientific fact ? .....**

- a) there are equal spaces between different energy levels.
- b) the electron energy increases as we go further from the nucleus.
- c) the electron can be located in the space between the energy levels.
- d) Bohr's atomic model explains the atomic spectra for any atom.

**3) When an electron absorbs a half quantum of energy, it will .....**

- a) transfer to a higher energy level.
- b) transfer to a lower energy level.
- c) be in the same energy level.
- d) no correct answer.

**4) On approaching one of lithium salts to the non-luminous region of bunsen flame, at first it is not coloured, this means electrons .....**

- a) are lost from the atoms.
- b) their number increases.
- c) return to the ground state.
- d) transfer to higher levels.

**5) The line spectrum of hydrogen atom consists of four coloured lines, which of them has the smaller frequency ? .....**

- a) green.
- b) blue.
- c) red.
- d) violet.