

Topic: "Atomic number, mass number and isotopes"
TRUE / FALSE QUESTIONS

Name:

Classroom:

Classify the following sentences as true (T) or false (F)

#	Sentence	T / F
1	An $^{18}_8\text{O}^{2-}$ ion has 18 protons	
2	Oxygen atoms always have 8 protons	
3	Oxygen atoms always have 10 neutrons	
4	A ^7_3Li atom has 3 neutrons	
5	A ^7_3Li atom has 3 electrons	
6	The mass of an $^{19}_9\text{F}^-$ ion is about 19 u	
7	^7_3Li and ^7_4Be are isotopes	
8	^7_3Li and ^7_4Be have similar masses	
9	A monocation (A^+) has more electrons than protons	
10	$^{12}_6\text{C}$ and $^{14}_6\text{C}$ have the same number of protons	
11	$^{12}_6\text{C}$ and $^{14}_6\text{C}$ have the same number of electrons	
12	$^{12}_6\text{C}$ and $^{14}_6\text{C}$ have the same number of neutrons	
13	A neutral atom and an anion of the same element have always the same number of protons	
14	A neutral atom and an anion of the same element have always the same number of neutrons	
15	A neutral atom have always less electrons than an anion of the same element	
16	Let's consider two atoms, ^{24}Mg and ^{25}Mg : both are isotopes	
17	Let's consider two atoms, ^{24}Mg and ^{25}Mg : both have the same number of protons	
18	Let's consider two atoms, ^{24}Mg and ^{25}Mg : both have the same number of electrons	
19	Let's consider two atoms, ^{24}Mg and ^{25}Mg : both have the same number of neutrons	
20	Let's consider two atoms, ^{24}Mg and ^{25}Mg : both have the same mass	