 An oxide ion (O²⁻) formed from an oxygen-18 atom contains exactly A) 8 protons, 8 neutrons, 10 electrons B) 8 protons, 10 neutrons, 8 electrons C) 8 protons, 10 neutrons, 10 electrons D) 10 protons, 8 neutrons, 8 electrons Compared to a Be²⁺ ion, a Be⁰ atom has 	 6. An atom of an element has a total of 12 electrons. An ion of the same element has a total of 10 electrons. Which statement describes the charge and radius of the ion? A) The ion is positively charged and its radius is smaller than the radius of the atom. B) The ion is positively charged and its radius is law on the maline of the statement.
 A) more protons B) fewer protons C) more electrons D) fewer electrons 3. When an atom loses an electron, the atom becomes an ion that is A) positively charged and gains a small amount of 	 larger than the radius of the atom. C) The ion is negatively charged and its radius is smaller than the radius of the atom D) The ion is negatively charged and its radius is larger than the radius of the atom. 7. How many protons, neutrons, and electrons are found
 A) positively charged and gains a small amount of mass B) positively charged and loses a small amount of mass C) negatively charged and gains a small amount of mass D) negatively charged and loses a small amount of mass 	 in Ca²⁺ with a mass number of 41? A) 21p⁺,20n^o,21e⁻ B) 20p⁺,21n^o,18e⁻ C) 22p⁺,20n^o,21e⁻ D) 20p⁺,21n^o,22e⁻ 8. How many protons, neutrons, and electrons are found in nitride (N³⁻) with a mass number of 15? A) 15p⁺,3n^o,15e⁻ B) 7p⁺,7n^o,7e⁻ C) 7 ± 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2
 4. When a lithium atom forms an Li⁺ ion, the lithium atom A) gains a proton B) gains an electron C) loses a proton D) loses an electron 5. How many electrons are in an Fe²⁺ ion A) 24 B) 26 C) 28 D) 56 	 C) 7p⁺,8n^o,10e⁻ D) 15p⁺,3n^o,18e⁻ 9. How many protons, neutrons, and electrons are found in a bromide ion (Br) with a mass number of 72? A) 35p⁺,37n^o,36e⁻ B) 35p⁺,37n^o,35e⁻ C) 34p⁺,36n^o,35e⁻ D) 34p⁺,38n^o,35e⁻ 10. The total number of protons found in an OH⁻ ion is A) 1 B) 8 C) 9 D) 17