

Atomic Structure - Set I



Name Class Date Which atom in the ground state has five 2 When an atom loses an electron, the atom electrons in its outer level and ten becomes an ion that is electrons in its kernel? positively charged and gains a small amount of mass B positively charged and loses a small В c negatively charged and gains a small C Si amount of mass D P negatively charged and loses a small ount of mas Experiments performed to reveal the 3 Which pair of atoms is held together by a structure of atoms led scientists to covalent bond? conclude that an atom's 5 **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 A Na+ A decreases **B** Mg²⁺ **B** increases C K+ remains the same D Ca2t A carbon-14 atom **spontaneously decaved** to form a nitrogen-14 atom. This change 9 The mass of a proton is approximatel equal to the total mass of 1,836 took place because A electrons A a transmutation occurred without particle **B** neutrons emission C helium nuclei B a transmutation occurred with particle D alpha particles emission C nitrogen-14 has an unstable nucleus D carbon-14 has a stable nucleus



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