20) Which group contains elements composed of diatomic molecules at STP?	24) At STP, both diamond and graphite are solids composed of carbon atoms. These solids have
1) 11 2) 2 3) 7 4) 17 21) Which group is known as the halogens? 1) 1 2) 2 3) 17 4) 18 22) Alkali metals, alkaline earth metals, and halogens are elements found respectively in Groups 1) 1, 2, and 18 3) 1, 2, and 14 2) 2, 13, and 17 4) 1, 2, and 17 23) The two forms of oxygen, O2(g) and O3(g), have 1) different molecular structures and identical properties 2) different molecular structures and different properties 3) identical molecular structures and identical properties 4) identical molecular structures and different properties	1) the same crystal structure and the same properties 2) the same crystal structure and different properties 3) different crystal structures and the same properties 4) different crystal structures and different properties 25) Which group contains elements in three phases of matter at STP? 1) Group 2 3) Group 15 2) Group 6 4) Group 17 26) Which group in the Periodic Table contains elements that are all gases at STP? 1) 11 2) 17 3) 12 4) 18 27) The nonmetal that is a liquid at STP is 1) chlorine 3) bromine 2) mercury 4) calcium