CHEMBUDDY CHAPTER 3 3.1 CLASSIFICATION OF ELEMENTS



CHOOSE THE CORRECT ANSWER

2	What is group in periodic table? (C1&C2) A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18 D. The vertical columns with label 1 to 7 only What is period in periodic table? (C1&C2) A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18 D. The vertical columns with label 1 to 7 only	A B C D	
2	B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18 D. The vertical columns with label 1 to 7 only What is period in periodic table? (C1&C2) A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18	C D	
2	C. The vertical columns with label 1 to 18 D. The vertical columns with label 1 to 7 only What is period in periodic table? (C1&C2) A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18	D A B	
2	D. The vertical columns with label 1 to 7 only What is period in periodic table? (C1&C2) A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18	D A B	
2	What is period in periodic table? (C1&C2) A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18	A B	
2	A. The horizontal row with label 1 to 7 B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18	В	
2	B. The horizontal row with label 1 to 18 C. The vertical columns with label 1 to 18	1931	
2	C. The vertical columns with label 1 to 18	C	
		D	
	Which block is NOT TRUE in periodic table? (C1&C2)	A	
	A. b block	В	
	B. d block C. f block	С	
	D. p block		
		D	
	Deduce period of element X in periodic table. Given the electronic configuration of Y as	A	
	Y: $1s^22s^22p^63s^23p^64s^23d^2$ (C1&C2)	В	
	A. Period 1 B. Period 2	С	
7 (C. Period 3		
I	D. Period 4	D	
Τ,	What is the charge on all the simple ions of elements of group 17?	A	
	A. 1+	В	
I	B. 2+	С	
	C. 1-	1175-1	
I	D. 2-	D	
	Sodium (Z=11) and Silicon (Z=14) are examples of two elements which belong to the same	В	
	A. group	200000	
	B. period	С	
7.0	C. block	D	
1	D. compound		

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			$^{37}_{17}P$			
	What is the position of this element in the periodic table?					
_	A.	Block	Group 17	Period	A	
7	B.	p n	15	3	В	
	C.	p p	7	3		
	D.	S	5	3	C	
					D	
	$^{63}_{29}Q$					
	What is	the position of	this element in the	periodic table?		
					A	
		Block	Group	Period	В	
8	A.	S	2	4		
	B.	S	12	4	C	
	C. D.	d d	9 11	3 4	D	
	D.	u	11	4		
	1			nfiguration of 5s ² 4d ⁶ . What is the period		
	1		lence electronic co Periodic Table?	nfiguration of 5s ² 4d ⁶ . What is the period		
	1			nfiguration of 5s ² 4d ⁶ . What is the period	A	
9	and bloc	k of X in the I Block s	Periodic Table? Period 5	nfiguration of 5s ² 4d ⁶ . What is the period	A B	
9	A. B.	k of X in the I Block s s	Periodic Table? Period 5 4	nfiguration of 5s ² 4d ⁶ . What is the period	В	
9	A. B. C.	k of X in the I Block s s d	Periodic Table? Period 5 4 5	nfiguration of 5s ² 4d ⁶ . What is the period		
9	A. B.	k of X in the I Block s s	Periodic Table? Period 5 4	nfiguration of 5s ² 4d ⁶ . What is the period	В	
9	A. B. C. D.	k of X in the I Block s s d d	Periodic Table? Period 5 4 5 4	Infiguration of $5s^2 4d^6$. What is the period T is $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$.	B C	
9	A. B. C. D.	k of X in the I Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T		B C D	
9	A. B. C. D.	Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T		B C D	
	A. B. C. D. An elect Determin A. 4	Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T		B C D	
	A. B. C. D. An elect Determin A. 4	Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T		B C D	
	A. B. C. D. An elect Determin A. 4 B. 14	Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T		B C D	
	An elect Determir A. 4 B. 14 C. 6 D. 16	Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T	T is $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$.	B C D	
9	A. B. C. D. An elect Determin A. 4 B. 14 C. 6 D. 16	k of X in the I Block s s d d ronic configura	Periodic Table? Period 5 4 5 4 ation for element T f element Y		B C D	
10	An elect Determir A. 4 B. 14 C. 6 D. 16 An elect Determir A. 8	Block s s d d	Periodic Table? Period 5 4 5 4 ation for element T f element Y	T is $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$.	B C D	
	A. B. C. D. An elect Determine A. 4 B. 14 C. 6 D. 16 An elect Determine A. 8 B. 10	k of X in the I Block s s d d ronic configura	Periodic Table? Period 5 4 5 4 ation for element T f element Y	T is $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$.	B C D	
10	An elect Determir A. 4 B. 14 C. 6 D. 16 An elect Determir A. 8	k of X in the I Block s s d d ronic configura	Periodic Table? Period 5 4 5 4 ation for element T f element Y	T is $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^4$.	B C D	

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12	The proton number for element V is 32. What is the valence orbital of element V? A. 3d 4p B. 4p C. 4s 4p D. 3d	A B C D
13	Elements in the Periodic Table are arranged in order increasing A. nucleon number B. proton number C. number of electron D. number of neutron	A B C D
14	Elements in the same group will have similar A. conductor properties B. thermal properties C. physical properties D. chemical properties	A B C D
15	Elements in Group 2 are known as A. alkaline earth metal B. noble gases C. alkali metal D. halogen	A B C D

