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13.	A compound XY crystallizes in 8:8 lattice with unit cell edge length of 480 pm. If the radius of Y				
	is 225 pm, then the ra				
1	(A) 127.5 pm	(B) 190.68 pm	(C) 225 pm	(D) 255 pm	
14/	The mass of a unit cell of CsCl corresponds to				
	(A) 1 Cs <sup>+</sup> and 1 Cl <sup>-</sup>	(B) 1 Cs <sup>+</sup> and 6 Cl <sup>-</sup>	(C) 4 Cs <sup>+</sup> and 4 Cl <sup>-</sup>	(D) 8 Cs <sup>+</sup> and 1 Cl <sup>-</sup>	
15.)	Which one of the following schemes of ordering closest packed sheets of equal sized spheres do not generate close packed lattice.				
	(A) ABCABC	(B) ABACABAC	(C) ABBAABBA	(D) ABCBCABCBC	
16.	An ionic compound AB has ZnS type structure. If the radius A <sup>+</sup> is 22.5 pm, then the ideal radius of				
	B- would be				
	(A) 54.35 pm	(B) 100 pm	(C) 145.16 pm	(D) none of these	~
17)	Which of the following is the most likely to show schottky defect				
	(A) CaF <sub>2</sub>	(B) ZnS	(C) AgCl	(D) CsCl	
18.	In the Schottky defect, in AB type ionic solids				
	(A) cations are missing from the lattice sites and occupy the interstitial sites				
	(B) equal number of cations and anions are missing				
	(C) anions are missing and electrons are present in their place				
	(D) equal number of extra cations and electrons are present in the interstitial sites				
19.	Edge length of M <sup>+</sup> X <sup>-</sup> (fee structure) is 7.2 Å. Assuming M <sup>+</sup> – X <sup>-</sup> contact along the cell edge, radius				
	of X-ion is (r <sub>M+</sub> = 1.6Å): Nacl Like structure				
	(A) 2.0 Å	(B) 5.6 Å	(C) 2.8 Å	(D) 38 Å	
20.	Chaose the correct or	otion/options-			
win un	(A) Two adjacent face centre atom doesn't touch each other in fcc unit cell because they are not nearest atom of face each other in fcc lattice				
	(B) Number of nearest Na <sup>+</sup> ions of another Na <sup>+</sup> in Na <sub>2</sub> O crystal will be 24.				
	(C) Minimum distance between two cubical voids in simple cube unit cell lattice will be a where a is length of edge of unit cell				
	(D) By defects in solids density of solids either remains constant or decreases but it can never				
	increase.				
	mercase.				