PERIODICITY PERIODICPROPERTIES, ATOMIC RADIUS

1.	Among the el	ements Ca, Mg, p and C	CI,the order of increasing atom	ic radii is:	(AIPMT2010)
	(1)Mg <ca<c< td=""><td>I < P (2) $CI < P < M$</td><td>Ig<ca 3)="" p<ci<ca<mg<="" td=""><td>4) Ca<mg< td=""><td>g<p<ci< td=""></p<ci<></td></mg<></td></ca></td></ca<c<>	I < P (2) $CI < P < M$	Ig <ca 3)="" p<ci<ca<mg<="" td=""><td>4) Ca<mg< td=""><td>g<p<ci< td=""></p<ci<></td></mg<></td></ca>	4) Ca <mg< td=""><td>g<p<ci< td=""></p<ci<></td></mg<>	g <p<ci< td=""></p<ci<>
2.	Lanthanide contraction is caused due to 1) The imperfect shielding on outer electrons by 4-electrons from the nuclear charge 2) The appreciable shielding on outer electrons by 4-electrons from the nuclear charge 3) The apperciable shielding on outer electrons by 5d-electrons from nuclear charge 4) The same effective nuclear charge from Ce to Lu				
3.	<i>'</i>		increase in atomic number	is a character	
4.		2) Radio active series le contraction is respon	sible for the fact that	4) d-block	(AFMS)
	1) Zr and Hf have same radius 2) Zr and Zn have the same oxid 3) Zr and Y have same radius 4) Zr and Nb have similar oxida			- Indializa	
5.		resents isoelectronic spe Al^{3+} , Cl^{-}	THE THE PERSON AND TH	F^-	(AIEEE-2004)
6.	Identify the coincreases (I) F- 1) III, I, II	orrect order in which the (II) Na ⁺ 2) II, I, III	e ionic radius of the following i (III) N ³⁻ 3) I, II, III	ions 4) II, III, I	(M2005)
7.	 An increase a decrease fine 	from O^{-2} to F^- and the rom O^{-2} to F^- and then	are is o electronic. Their ion en decrease from Na^+ to Al^{3+} in increase from to Na^+ to Al^{3+}		(AIPMT2003)
	3) a significant decrease from to O^{-2} to Al^{3+} 4) a significant increase from O^{-2} to Al^{3+}				
8.	The correct of 1) $Ce > Sm >$	rder of atomic radii is: Yb > Lu 2) $Sm > Ce$ 2 Sm > Ce 4) $Sm > Yb >$	> Lu > Yb		(AIEEE-2002)
9.	Which of the	following does not ha	ave valence electron in 3d-su	bshell?	
					(AIIMS2002)
	1)Fe(III)	2)Cr(I)	3)Mn(II)	4)P(O)	

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10. Ionic radii are: (AIPMT2004)

- 1) inversely proportional to square of effective nuclear charge
- 2) directly proportional to effective nuclear charge
- 3) directly proportional to square of effective nuclear charge
- 4) inversely proportional to effective nuclear charge

KEY

1)2 2) 1 3) 3 4)1 5)4 6) 2 7)3 8)4 9)4 10)