

University of Pittsburgh's Single Jeopardy Game Board - Netscape

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Single Jeopardy: Atoms and Ions

Radius	Electron Config	Oxidat'n State	Polyatomic Ions	Periodic Behavior	Pot-pourri
50	50	50	50	50	50
100	100	100	100	100	100
150	150	150	150	150	150
200	200	200	200	200	200
250	250	250	250	250	250

Document: Done

Radius

50	Larger than F	
100	Smaller than Be	
150	larger than Rb	
200	same as W	
250	decrease across and increase down	

Electronic Config

50	[Ar]4s ²	
100	2-charge and ends in 3p ⁶	
150	[Ar]4s ² 3d ⁸	
200	[Ar]4s ¹ 3d ¹⁰	
250	2+charge and ends in 3d ⁵	

Oxidation State

50	-1, +1, 0	
100	+5 to -3	
150	C in CO ₃ ²⁻	
200	P in P ₄	
250	-1 or 0 only	

Polyatomic Ions

50	name of NO ₃ ⁻	
100	name of PO ₃ ³⁻	
150	"ate"	
200	Cl with +7oxidation #	
250	periodate	

Periodic Behaviour

50	order of elements by atomic mass	
100	Highest IE in Group IA	
150	Highest EA in Group VIA	
200	highest electronegativity	
250	same trend as IE	

Potpourri

50	energy for Cl + 1e → Cl ⁻	
100	non-metal with 3 unpaired electrons	
150	# of unpaired electrons for Cl ¹⁻	
200	energy for Ca ¹⁺ → Ca ²⁺ + 1e-	
250	in common for Zn, Ne, and Be	