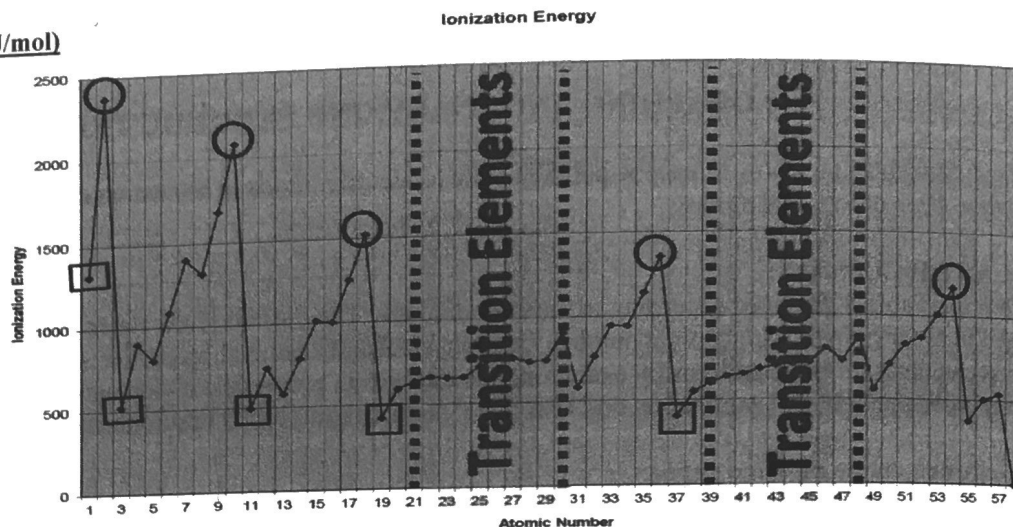


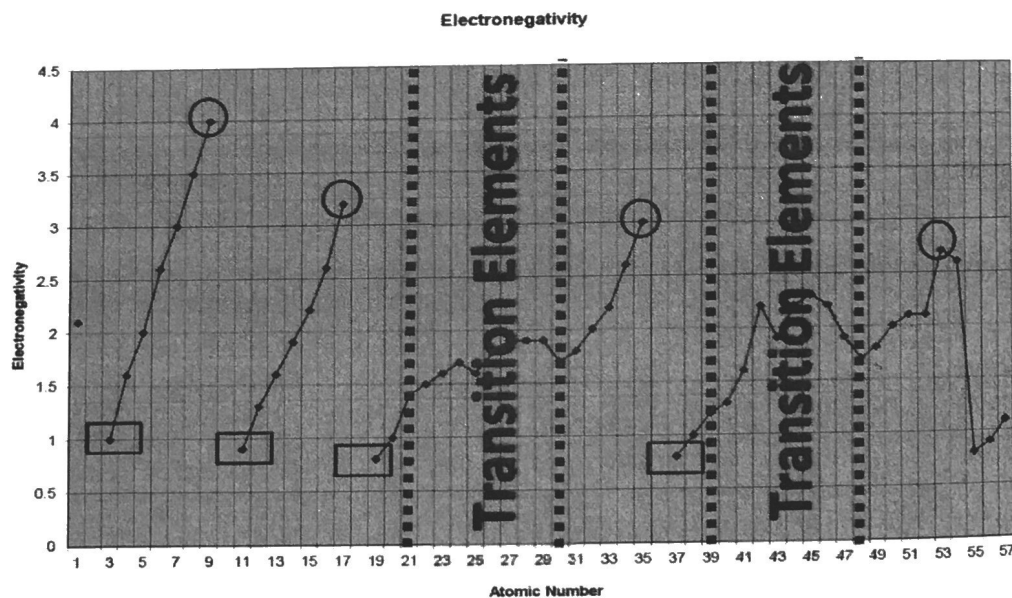
Name: _____ period; _____ iPad #: _____

A. Ionization energy (kJ/mol)



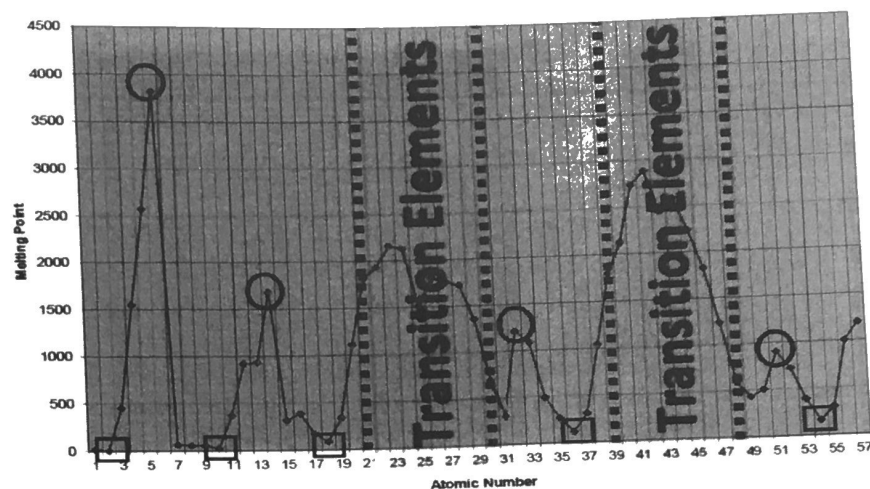
Peak atomic Numbers	2, 10, 18, 36, 54	Valley atomic Numbers	1, 3, 11, 19, 37, 55
Element family	Noble gas	Element family	Alkali metal

B. Electronegativity



Peak atomic Numbers	9, 17, 35, 53	Valley atomic Numbers	3, 11, 19, 37, 55
Element family	Halogens	Element family	Alkali metal

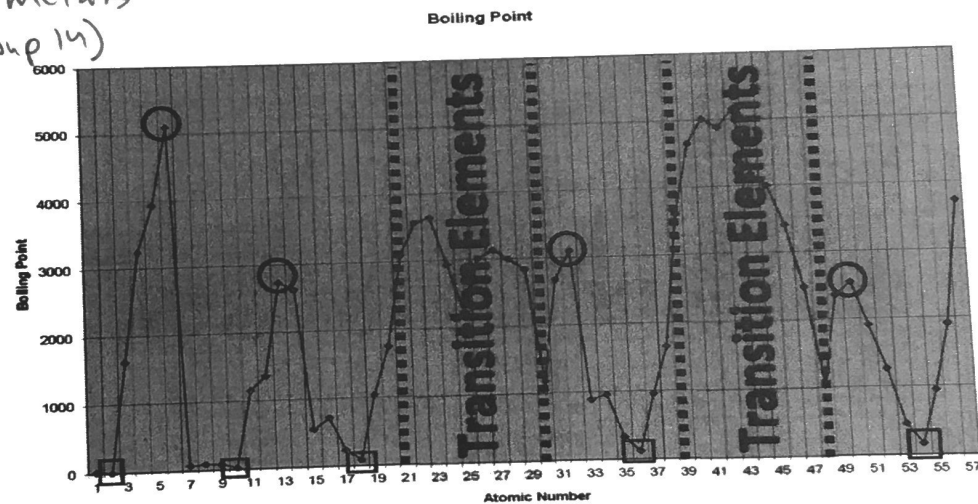
Name: _____
 C. Melting Point (K)



Peak atomic Numbers	6, 14, 32, 50	Valley atomic Numbers	2, 10, 18, 36, 54
Element family	nonmetals metalloids	Element family	Noble gas

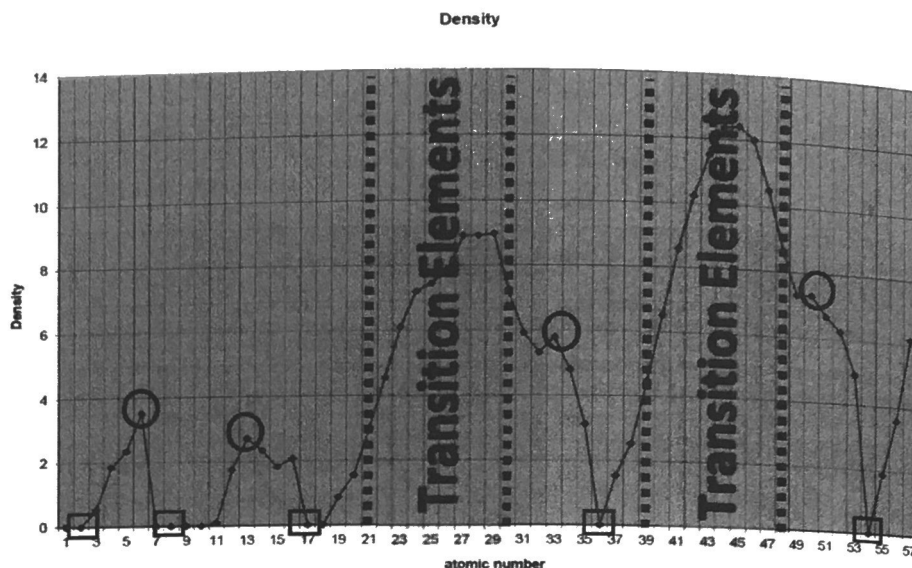
D. Boiling Point (K)

metals
 (group 14)



Peak atomic Numbers	6, 13, 32, 50	Valley atomic Numbers	2, 10, 18, 36, 54
Element family	metalloids metals + AIA metals	Element family	Noble gas

E. Density (g/cm^3)



Peak atomic Numbers		Valley atomic Numbers	
Element family		Element family	

Peak numbers

6, 13, 33, 50

Family

- metalloids

- non-metals



- transition metals

Valley Numbers

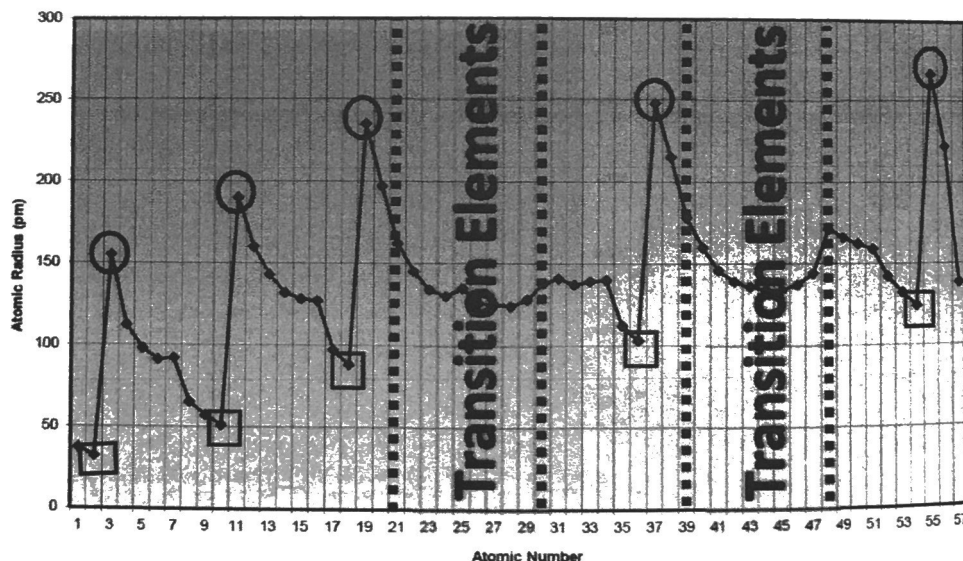
2, 8, 17, 36, 54

Family

- noble gas

- non-metals

F. Atomic Radius (pm)



Peak atomic Numbers	3, 11, 19, 37, 55	Valley atomic Numbers	2, 10, 18, 36, 54
Element family	Alkali metal	Element family	Noble gas