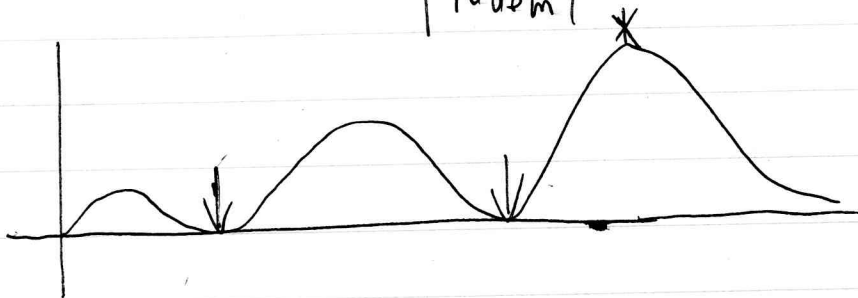


Lecture 2 Problems

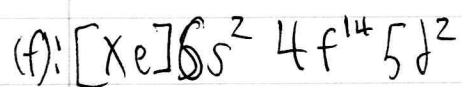
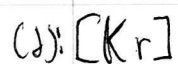
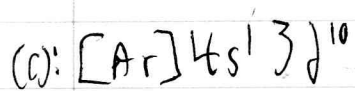
Problem 1

(a):

(b):



Problem 2



Problem 3

(a): $Z_{\text{eff}} = 26.8$

(b): -1140 eV , a higher Z implies a stronger bond ~~to~~ internal shell,