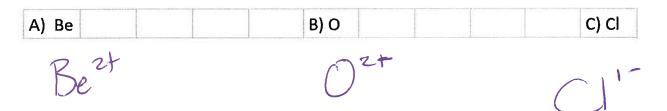
## Quiz Review

February 20, 2018 9:40 AM

State the most common ion formed by each of the following atoms:



State the electron configuration for:

Carbon atom = 6 \s<sup>2</sup>2s<sup>2</sup>2p<sup>2</sup>

Sodium atom = ||

152 252 2p6 35'

Chlorine ION (application question, won't be on quiz) =13

1522522p63523p6

Briefly describe the difference between the experimentally determined and predicted electro configurations of the atom copper. (I would know chromium too)

Expected = LArJ 552 409 Experimental= CArJ40"Ss" Los orbital more stable, fill 9 first.

Which of the following atoms would have the largest electronegativity?

Li Na К Rb Lithium. As you mare down 2 grup, electrons have 2 weaker electrongativity, shielding effect interfores with the attraction bin meleus and valence e

Which of the following atoms would have the largest radius?

В С O F Buron, 25 you more 201055 2 period, radius smaller. Net meles attraction, protons 1, 1 attraction. Which is larger, a chlorine ion or a chlorine atom? Chlurine ztom & An ion you de addig electrons which causes 2 V in net nuclear attraction.

Briefly describe if the following quantum numbers are allowed and why?

× mI=2 Wet ellewed,  $l \neq 2$ , f n = 2n=2 l=2 mI=0 Allowed. l=0 n=4