|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Neutral Element | Atomic #  (# of e-) | Electron Configuration  of Neutral Atom | # Electrons Gained or Lost (if any) | Ion symbol with charge | # of Electrons in Ion | Electron Configuration  of Ion |
| O | 8 | 1s22s22p4 | Gain 2 | O2- | 10 | 1s22s22p6 |
| Na |  |  |  |  |  |  |
| S |  |  |  |  |  |  |
| K |  |  |  |  |  |  |
| Al |  |  |  |  |  |  |
| Cl |  |  |  |  |  |  |
| Xe |  |  |  |  |  |  |
| Ca |  |  |  |  |  |  |
| F |  |  |  |  |  |  |
| Br |  |  |  |  |  |  |
| N |  |  |  |  |  |  |
| Ar |  |  |  |  |  |  |
| I |  |  |  |  |  |  |
| Sr |  |  |  |  |  |  |
| Why can’t we fill out one of these rows for Carbon? | | Answer: | | | | |