

Name \_\_\_\_\_

### Homework 22: Bonding

1. How many electrons are lost or gained in forming each ion?
  - $\text{Li}^+$
  - $\text{As}^{3-}$
  - $\text{Ca}^{2+}$
  - $\text{O}^{2-}$
  - $\text{Cu}^{2+}$
2. How can you determine the number of valence electrons in an atom of a representative element?
3. Atoms of which elements tend to gain electrons?
4. Atoms of which elements tend to lose electrons?