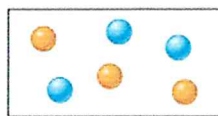


AP Chemistry
Guidelines for Making Particulate Drawings

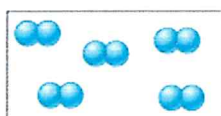
1. If drawing single atoms, use circles:



vi

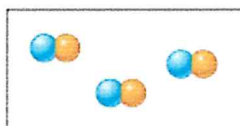
2. If drawing diatomic molecules, connect two circles:

Two identical atoms:



i

Two different atoms:



iv

3. Try to show relative sizes of atoms, ions, or molecules:

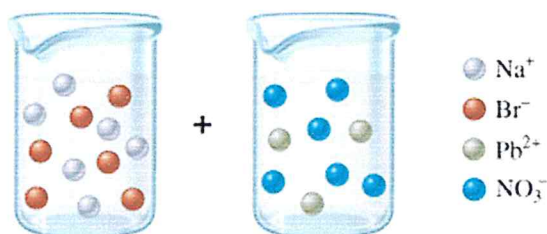


4. For molecules, the particles should be drawn to show the correct shape:

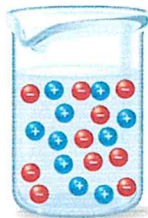


5. In reactions, watch the relative number of particles in the drawings.

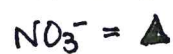
6. If different symbols are used, make a key for the drawing:



7. For charged particles, either use a key or write the charge on or next to the particle.



8. For polyatomic ions, either show all of the atoms or use a key:



9. If a precipitate forms, it should "settle out" in the drawing.



10. If showing gas particles in motion, add a "tail" to the particle.

