

AP Chemistry Project: Chemical Bonding Flipbook

Directions:

Your assignment is to make a flipbook* that shows the behavior of atoms as they bond according to the models that we have discussed in class. You should be as creative as possible. The more detailed your flipbook is, the better your grade will be. You must come in after school to select which compound your flipbook will illustrate.

It is highly recommended that you use a computer drawing program of some kind to complete this project. Use of color, by using a color printer or colored pencils/markers is suggested. Sheets of paper or index cards should be cut into a handy size, not full sheets. Bind the final flipbook together with a rubber band or a big paper clip.

The use of a computer animation program is allowed in AP Chemistry but is limited to a fully animated Powerpoint, Flash .fla or Fireworks animated .gif file formats. Additionally in AP Chemistry students must use at least one polyatomic atom in their compound.

Details: Your flipbook must include the following:

- a) The names of the atoms and resulting compound.
- b) The type of bonding that is occurring.
- c) All chemical symbols, valence electrons and charges (if ionic).
- d) At least 15 pages(frames) animating the changes from the atoms to a compound.
- e) At least a one paragraph description of what your flipbook depicts (written as the last page or the back of the last page of the book).

Grading: Your flipbook will count as a 70 point test/project grade for the second quarter and be graded on the following:

- a) Adhering to the details above.
- b) Accuracy of the change from the atoms to a compound.
- c) Creativity of your animation.
- d) Quality of your flipbook.

The assignment is due in mid-November. See the Intranet class assignment page for the exact date.

Write due date here: _____

GOOD LUCK AND HAVE FUN!

* A flipbook shows motion. As you flip through a flipbook, motion is depicted. See me for examples.