Correct and incorrect ways to draw 3-D dash/wedge structures

**Correct ways to draw one stereocenter:**

- Notice: The bonds in the plane of the paper are at 109.5° angles to each other. The dashes and wedges are close to each other (If you make a model, they are actually right on top of each other – try it!)

**Correct ways to draw two stereocenters:**

- Once again, the bonds in the plane of the paper are at 109.5° angles to each other and the dashes and wedges are close to each other.

**Incorrect ways to draw one stereocenter (Grader and Sapling will mark wrong!):**

- Dashes and wedges are not across from each other.
- There should not be 90° bond angles or 180° bond angles.
- Unless you are drawing a complicated multi-ring molecule, you should have two bonds in the plane of the paper, one dash, and one wedge.
- Remember, the bonds in the plane of the paper must to make a 109.5° bond angle if it is a tetrahedral stereocenter.

**Incorrect ways to draw two stereocenters:**

- Again, dashes and wedges are right next to each other, not across from each other, and bonds in the plane must have 109.5° bond angles.

**Rings:** Dash/wedges on flat structures only. No dashes and wedges on chairs!

**Good:**

**Not good:**

*doesn't show stereochemistry!