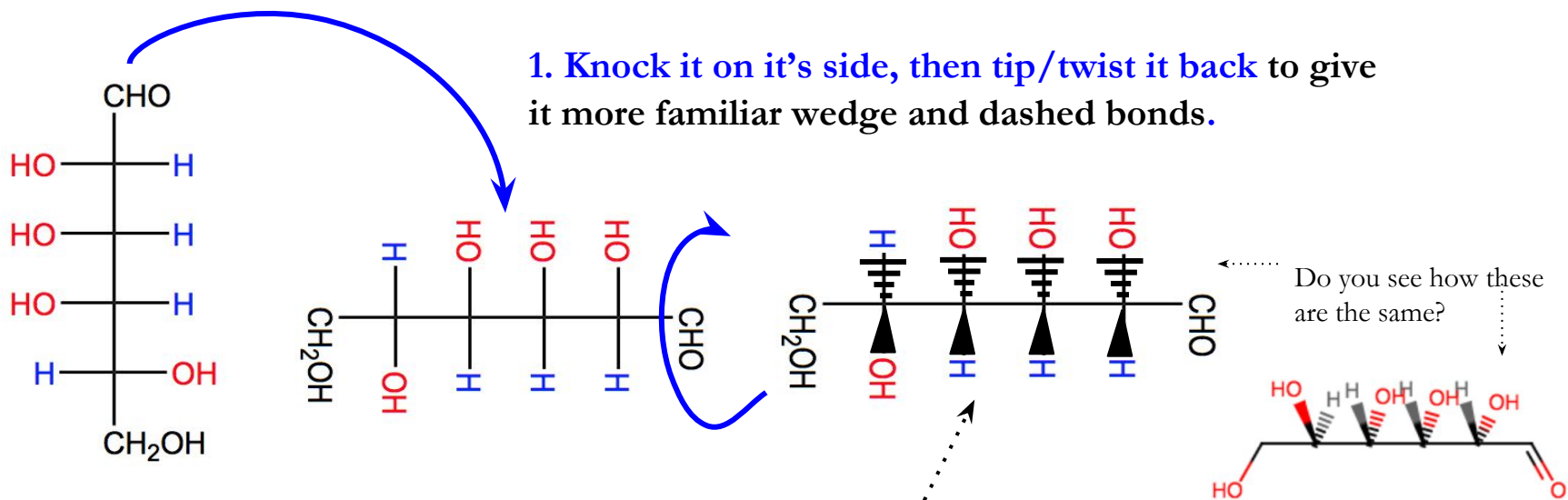


# An (almost too) easy way to draw sugars in Marvin from their Fischer Projections.



**PLEASE NOTE:** You should NEVER draw wedge and dashed bonds as they are shown above. Wedge/dashed bonds should always be NEXT DOOR to each other, never split by a stick bond! If you draw this in Marvin you will get the RED X! To get the wedge/dashed bonds next door to each other, simply imagine tipping or twisting the molecule backwards.

2. Draw the horseshoe backbone in Marvin from this Fischer projection perspective (Do you see how this horseshoe chain is what a Fischer projection looks like from the side? If we rotated around every other bond of the horseshoe, we could get the staggered chain we're used to seeing).

3. Now draw in your Hs and OHs. Wedge and dash stay wedge and dash!!

