

# ROTD 2/23/06

- 1) Naming stereocenters and stereoisomers involve a tricky series of rules and definitions that take a lot of patient practice to master.
- 2) Chiral and achiral and meso are terms that refer to objects. Enantiomer and diastereomer refer to the relationship between stereoisomers. A meso compound has chiral centers but is achiral.
- 3) For every stereocenter in a molecule, there are two possible combinations. A molecule with  $n$  stereocenters will have up to  $2^n$  stereoisomers.