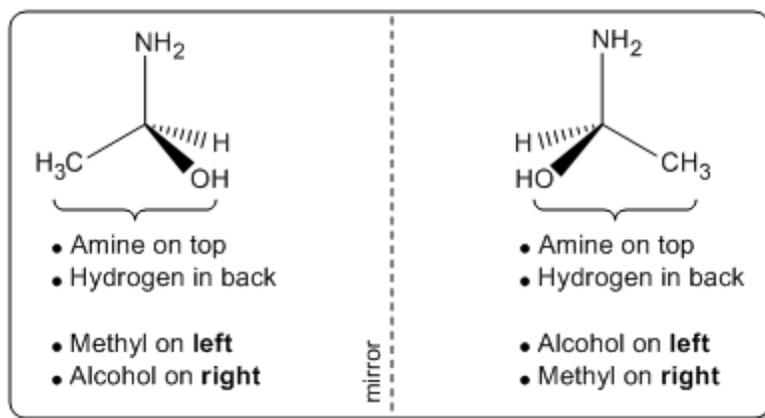


CONCEPT: INTRODUCTION TO CHIRALITY

A molecule is **chiral** when, if placed against a mirror, a **different** (*non-superimposable*) image is obtained.

□ The mirror image of any chiral molecule is called an _____



□ If a molecule has an internal line of symmetry, it will have the **same** mirror image (**achiral**)

EXAMPLE: Draw the mirror images of the following molecules. Determine if the mirror image is the **same** or **different**. If there is an internal line of symmetry, use a dotted line to indicate it on the original molecule.

