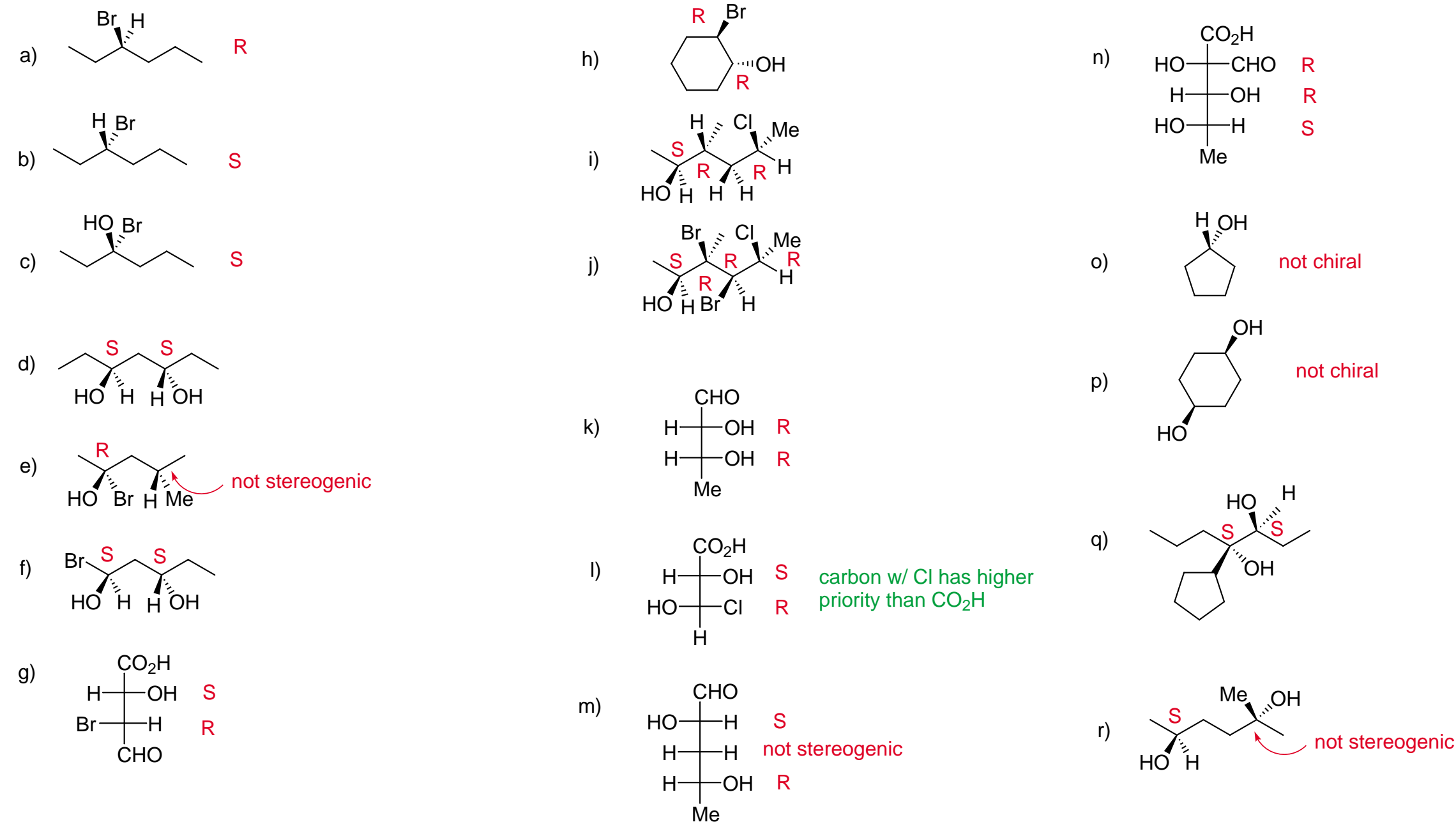
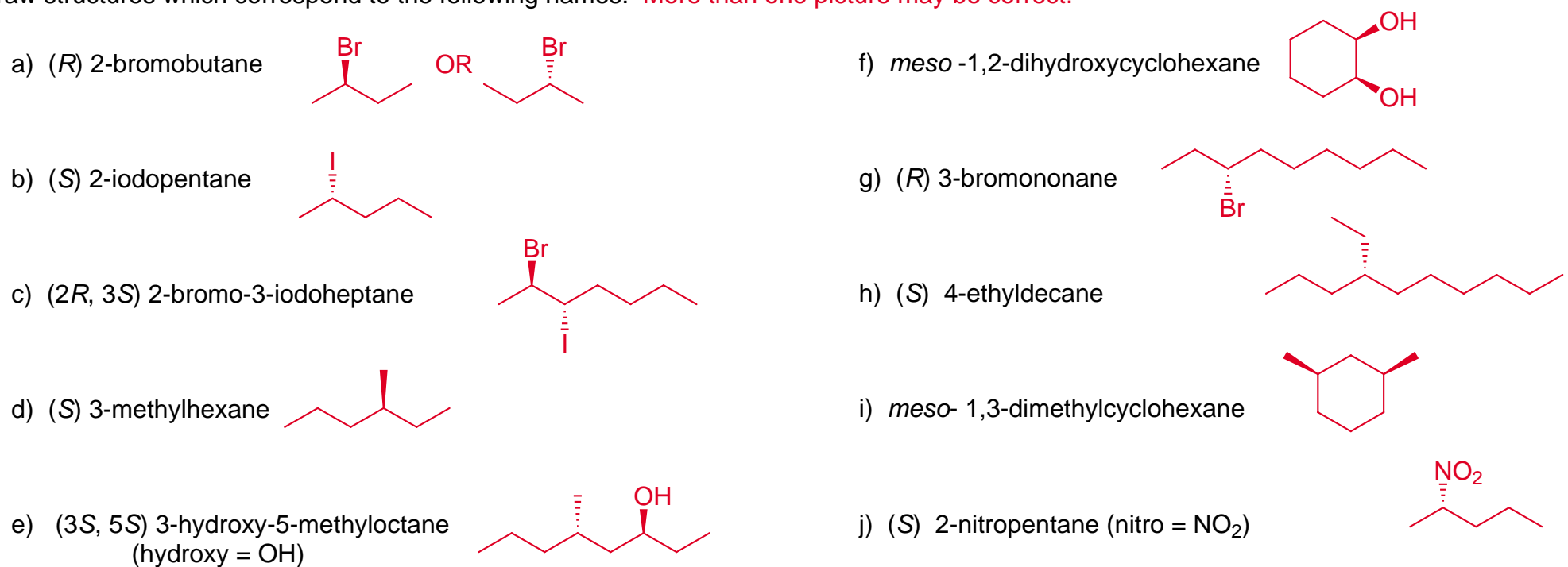


Stereochemistry Problem Set

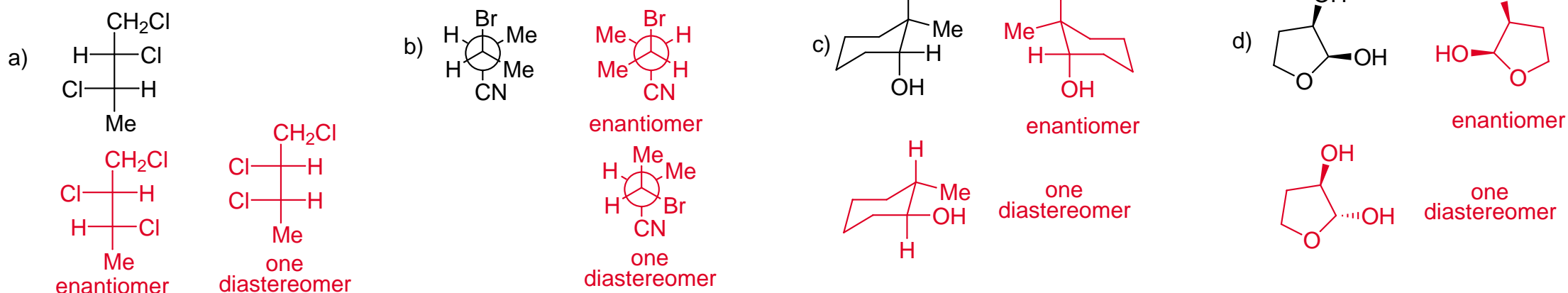
1) Indicate whether the following structures are chiral or achiral (no asymmetric centers or meso); if chiral then assign R or S to each stereogenic center.



2) Draw structures which correspond to the following names: **More than one picture may be correct.**



3) Draw i) an enantiomer; ii) a diastereomer, for each of the following



4) You have a sample of the enantiomerically pure (3*S*)-3-chloro-1-butene and carry out the non-stereospecific addition reaction shown below.

