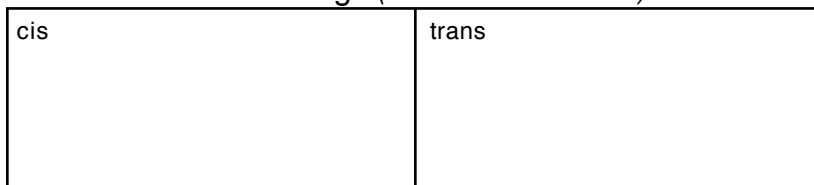


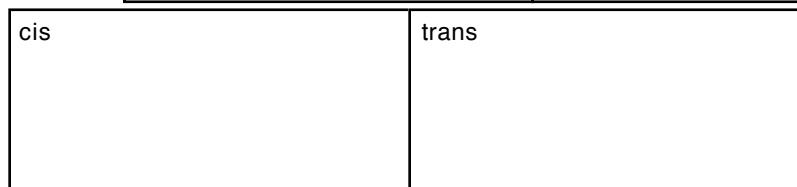
+ WS 12.7 GEOMETRIC ISOMERS

1. Write and label the cis-trans isomers of the following: (*use bow-tie structures*)

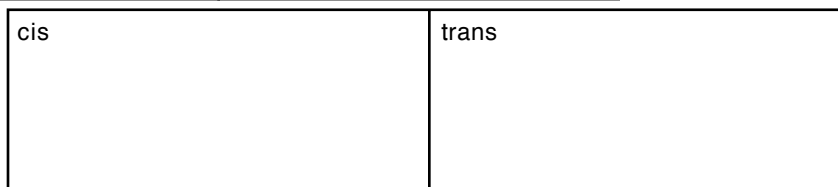
a) 1,2-dichloroethene



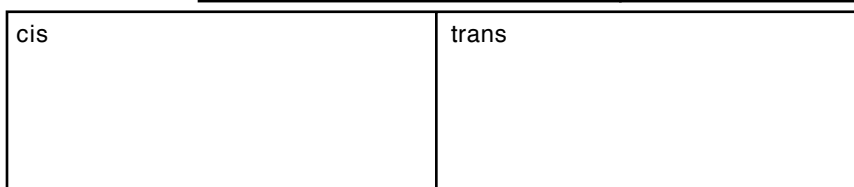
b) 2-butene



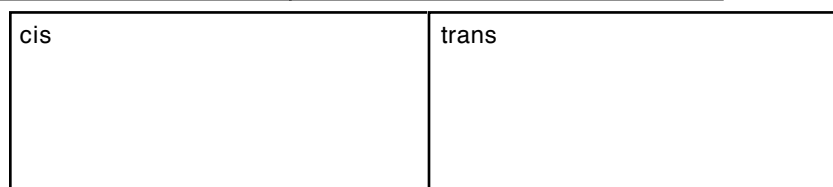
c) 2,3- dibromo-2-pentene



d) 3-hexene



e) 1,2-difluoro-1-butene



2. Give the name of each of the following bow-tie structures: (don't forget 'trans' or 'cis')

