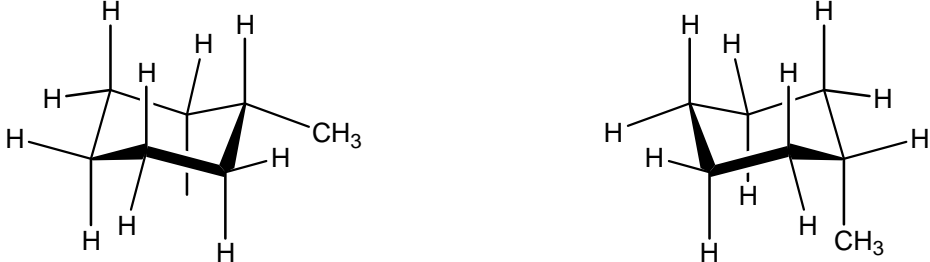
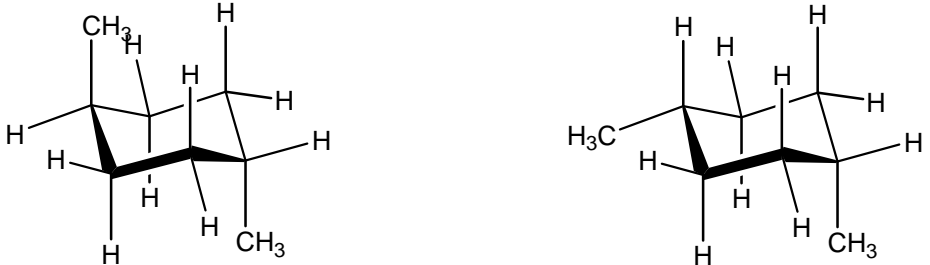
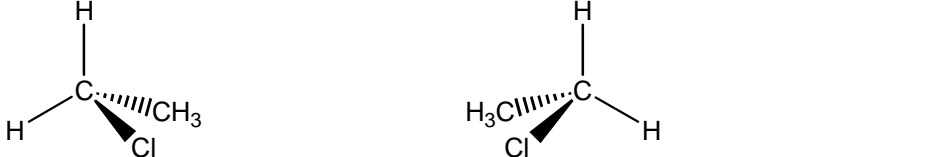


1. Identify the relationship between the following pairs of structures. Choose non-isomeric, constitutional isomers, enantiomers, diastereomers, conformational stereoisomers, or identical (2 pts each).

Pair	Relationship
	
	
	

2. Aspirin has an LD₅₀ of 1.5 g/kg, whereas caffeine has an LD₅₀ of 0.13 g/kg (2 pts each).

a. Define the term LD₅₀.

b. Is aspirin or caffeine more toxic?