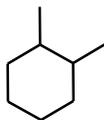
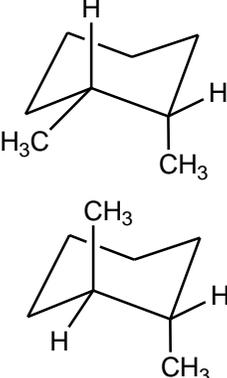
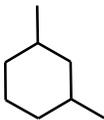
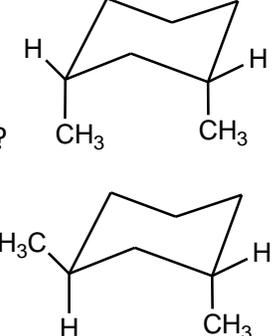


For each regioisomer (1,2-, 1,3- and 1,4-dimethylcyclohexane), draw the ring flip for both *cis* and *trans* and determine which stereoisomer (*cis* or *trans*) is the more stable.

<p>Which stereoisomer has lower energy, <i>cis</i>- or <i>trans</i>-1,2-dimethylcyclohexane?</p> 		
<p>Which stereoisomer has lower energy, <i>cis</i>- or <i>trans</i>-1,3-dimethylcyclohexane?</p> 		
<p>Which stereoisomer has lower energy, <i>cis</i>- or <i>trans</i>-1,4-dimethylcyclohexane?</p> 