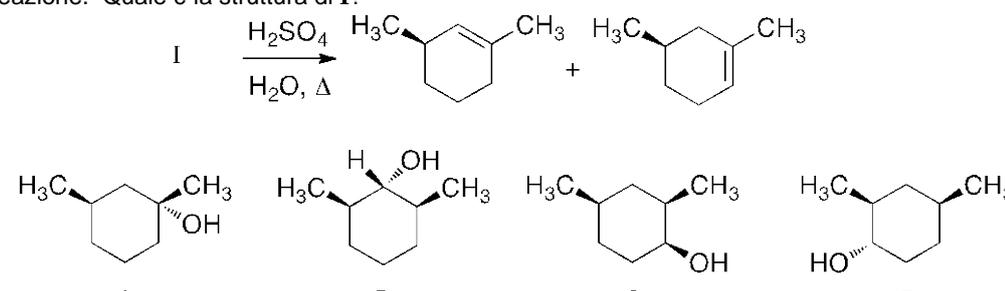
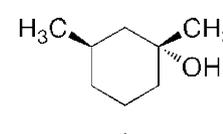
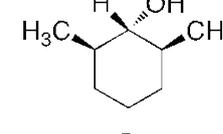
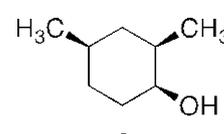
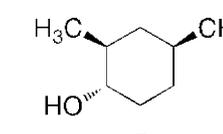
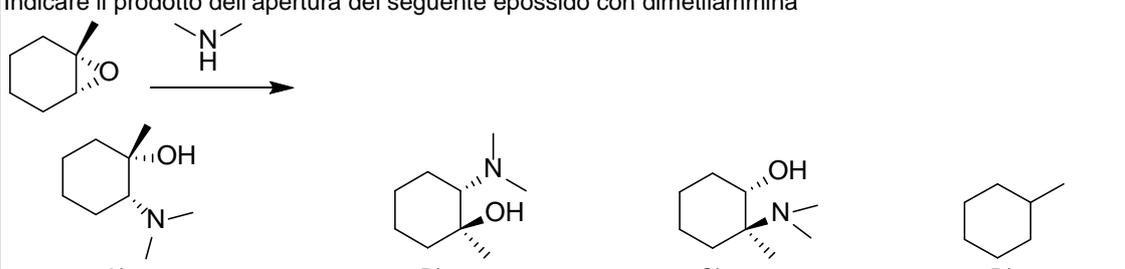
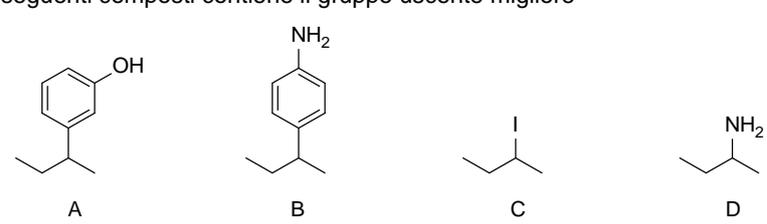
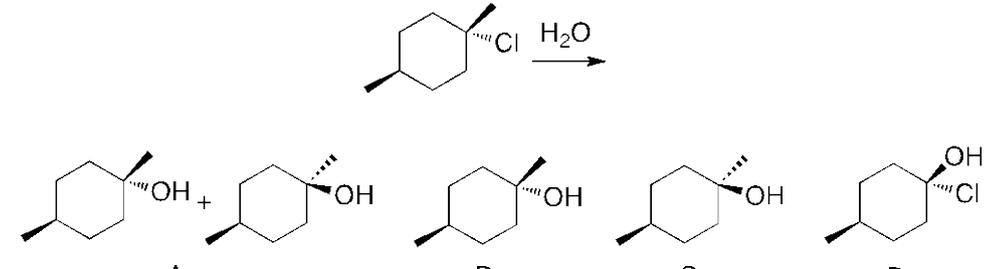
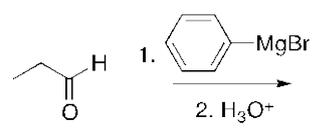
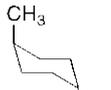
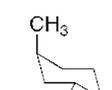
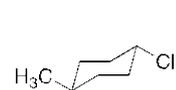
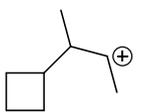
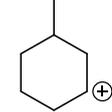
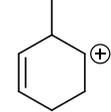
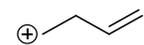
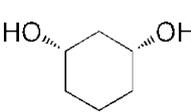
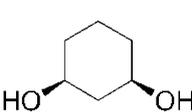
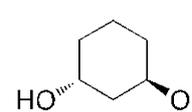
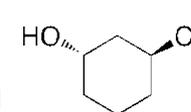
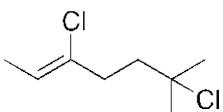
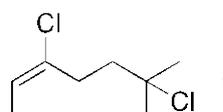
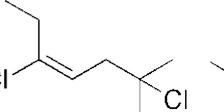
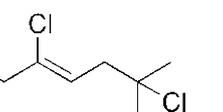
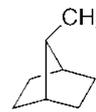
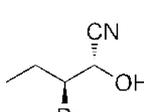
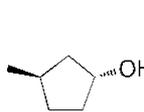
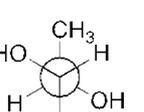
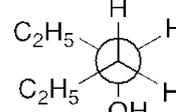
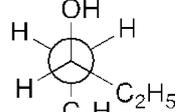
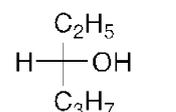
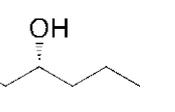
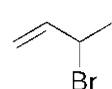
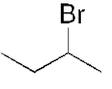
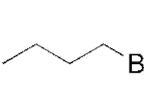
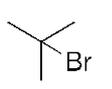
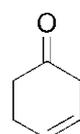
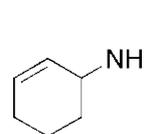
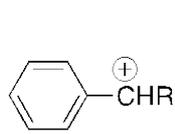
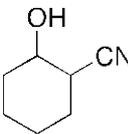
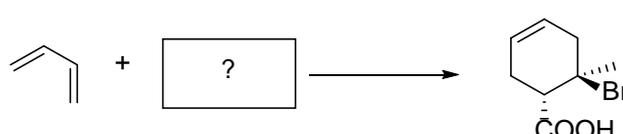
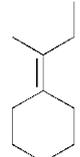
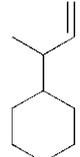
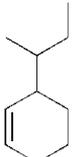
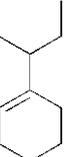


1	<p>Quando l'alcol incognito I viene trattato con acido solforico si formano principalmente i prodotti indicati nella seguente reazione. Quale è la struttura di I?</p> $ \text{I} \xrightarrow[\text{H}_2\text{O}, \Delta]{\text{H}_2\text{SO}_4} \text{H}_3\text{C}-\text{C}_6\text{H}_9-\text{CH}_3 + \text{H}_3\text{C}-\text{C}_6\text{H}_9-\text{CH}_3 $  <p>     </p>	
2	<p>I punti di ebollizione dell'etere dimetilico e dell'etanolo sono rispettivamente $-24.8\text{ }^\circ\text{C}$ e $78.5\text{ }^\circ\text{C}$. Quale variazione di interazione intermolecolare è responsabile del valore più elevato del punto di ebollizione dell'etanolo?</p> <p>A Aumento delle interazioni di van der Waals B Aumento del carattere ionico del legame C-O C Aumento dei legami a idrogeno D Aumento delle interazioni metile-metile</p>	
3	<p>Indicare il prodotto dell'apertura del seguente epossido con dimetilammina</p> 	
4	<p>Indica quale tra i seguenti composti contiene il gruppo uscente migliore</p> 	
5	<p>Quale fra i seguenti solventi scioglie meglio un soluto ionico?</p> <p>A. CCl_4 B. CH_3OH C. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ D. $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_3$</p>	
6	<p>Scrivere il prodotto (o i prodotti) principale/i della seguente reazione :</p> 	

Simulazione_6

16	<p>Quale è il prodotto della seguente reazione?</p> <div style="text-align: center;">  <p>1. <chem>c1ccccc1[Mg]Br</chem> 2. <chem>H3O+</chem></p> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> A</div> <div style="text-align: center;"> B</div> <div style="text-align: center;"> C</div> <div style="text-align: center;"> D</div> </div>	
17	<p>Qual'è l'isomero più stabile del <i>trans</i>-1,4-dimetilcicloesano?</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> 1 A</div> <div style="text-align: center;"> 2 B</div> <div style="text-align: center;"> 3 C</div> <div style="text-align: center;"> 4 D</div> </div>	
18	<p>Mettere in ordine di acidità decrescente i seguenti composti</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"><chem>CH4</chem> 1</div> <div style="text-align: center;"> 2</div> <div style="text-align: center;"><chem>NH3</chem> 3</div> <div style="text-align: center;"><chem>H2</chem> 4</div> </div> <p>A) 1 > 2 > 4 > 3 B) 4 > 3 > 2 > 1 C) 2 > 3 > 1 > 4 D) 2 > 1 > 4 > 3</p>	
19	<p>Quanto vale l'energia (Kcal/mol) di una interazione <i>gauche</i> nel butano?</p> <p>(A) 1.3 (B) 0.9 (C) 4.0 (D) 20</p>	
20	<p>Indicare quale dei seguenti carbocationi non può trasporre</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> A)</div> <div style="text-align: center;"> B)</div> <div style="text-align: center;"> C)</div> <div style="text-align: center;"> D)</div> </div>	
21	<p>Indicare la pKa del metanolo</p> <p>A) 4.5 B) 50 C) 16 D) 25</p>	
22	<p>Quali composti tra quelli indicati rappresentano una coppia di enantiomeri?</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> I</div> <div style="text-align: center;"> II</div> <div style="text-align: center;"> III</div> <div style="text-align: center;"> IV</div> </div> <p>A) I,II B) II,III C) III,IV D) II,IV</p>	

23	<p>Quale tra le seguenti strutture rappresenta il composto (E)-3,6-dicloro-6-metil-3-eptene?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  A </div> <div style="text-align: center;">  B </div> <div style="text-align: center;">  C </div> <div style="text-align: center;">  D </div> </div>	
24	<p>Indica quale tra le seguenti molecole è achirale/meso</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  A </div> <div style="text-align: center;">  B </div> <div style="text-align: center;">  C </div> <div style="text-align: center;">  D </div> </div>	
25	<p>Quale tra i seguenti composti è il (R)-3-esanolo?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  A </div> <div style="text-align: center;">  B </div> <div style="text-align: center;">  C </div> <div style="text-align: center;">  D </div> </div>	
26	<p>Qual'è il composto più reattivo in una reazione S_N2</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  A </div> <div style="text-align: center;">  B </div> <div style="text-align: center;">  C </div> <div style="text-align: center;">  D </div> </div>	
27	<p>Quale tra i composti indicati ha un sistema coniugato?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  A </div> <div style="text-align: center;">  B </div> <div style="text-align: center;">  C </div> <div style="text-align: center;">  D </div> </div>	
28	<p>Quale dienofilo reagisce con l'1,2-butadiene come indicato?</p> <div style="text-align: center; margin-bottom: 10px;">  </div> <p>A) Acido (Z)-2-bromo-2-butenico B) Acido (E)-2-bromo-2-butenico C) Acido (Z)-3-bromo-2-butenico D) Acido (E)-3-bromo-2-butenico</p>	
29	<p>Ordina i seguenti alcheni dal più stabile al meno stabile</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;"> <div style="text-align: center;">  1 </div> <div style="text-align: center;">  2 </div> <div style="text-align: center;">  3 </div> <div style="text-align: center;">  4 </div> </div> <p>A) 2<1<3<4 B) 3<2<4<1 C) 1<2<3<4 D) 2<3<4<1</p>	
30	<p>Indica il miglior nucleofilo in un solvente aprotico?</p> <p style="text-align: center;">(A) fluoruro (B) bromuro (C) cloruro (D) ioduro</p>	