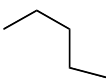
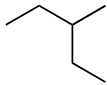

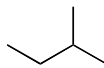
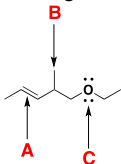

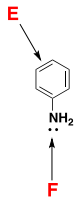
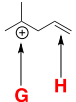

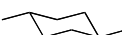



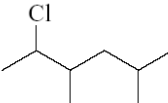
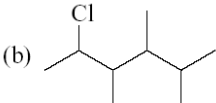
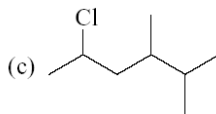
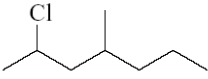
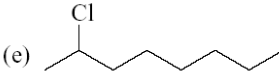
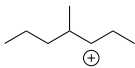
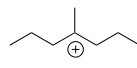
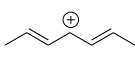

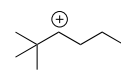
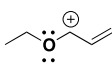
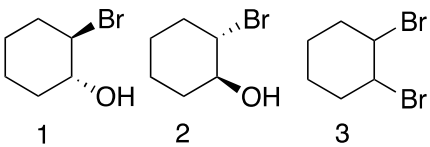
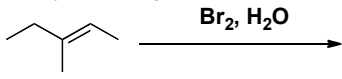
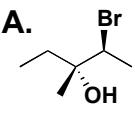
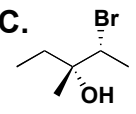
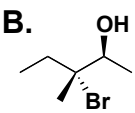
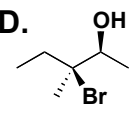
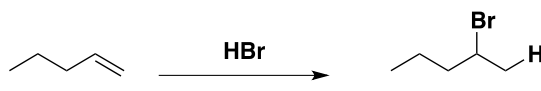
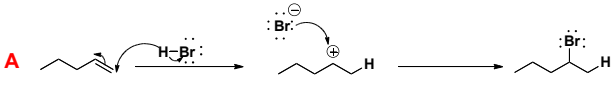
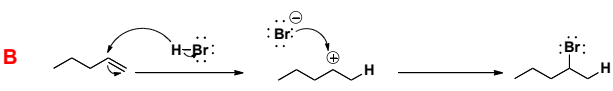
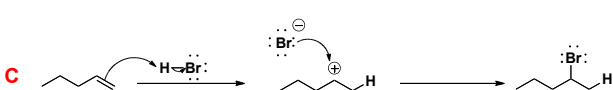
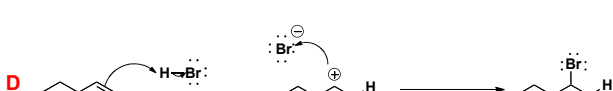
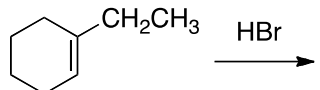
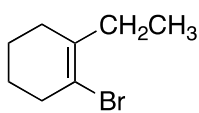
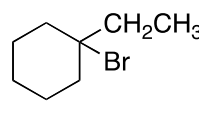
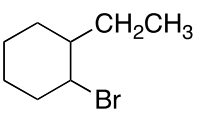
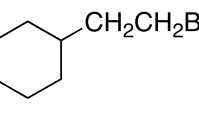


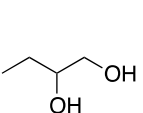
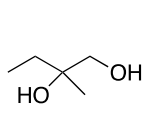
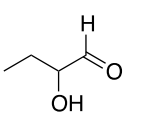
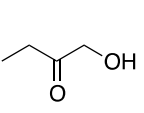
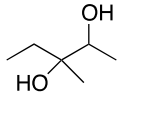
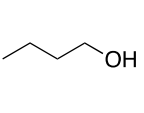
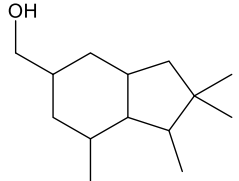
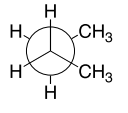
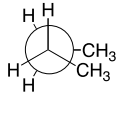
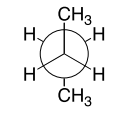
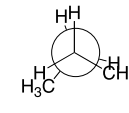
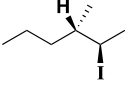
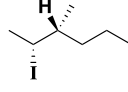
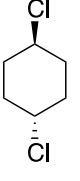
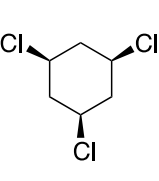

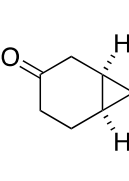
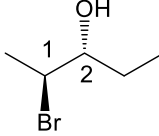
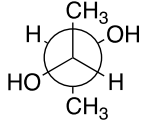
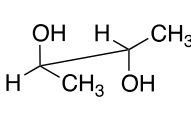
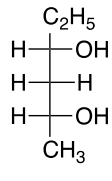
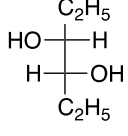
TEST DI CHIMICA ORGANICA I
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1	<p>Indicare quale tra le formule riportate sotto rappresenta un isomero di struttura del seguente composto: $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$</p> <div style="display: flex; justify-content: space-around; 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>	
2	<p>Identifica i centri nucleofili delle seguenti molecole:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> </div> <p>(A) A, C, D, E, F (B) B, D, G (C) D, G (D) A, C, E, F, H</p>	
3	<p>Quale struttura tra quelle A-D rappresenta il cicloesano riportato sotto in cui entrambi i gruppi metilici sono assiali?</p> <div style="display: flex; justify-content: center; align-items: center; margin: 10px 0;">  </div> <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>	
4	<p>Quale è la formula di struttura per il composto di formula condensata: $\text{CH}_3\text{CHClCH}_2\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)_2$?</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">(a) </div> <div style="text-align: center;">(b) </div> <div style="text-align: center;">(c) </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 10px;"> <div style="text-align: center;">(d) </div> <div style="text-align: center;">(e) </div> </div>	
5	<p>Quali tra i seguenti carbocationi sono soggetti a riarrangiamento?</p> <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px 0;"> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> </div> <p>(A) A, B (B) A, C (C) B, C (D) A, E</p>	

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6	<p>Indicare cosa si ottiene dalla bromurazione ($\text{Br}_2/\text{H}_2\text{O}$) in acqua del cicloesene</p> <div style="text-align: center;">  <p>1 2 3</p> </div> <p>A. 1 B. 2 C. 3 D. entrambi 1 e 2</p>	
7	<p>Qual'è il prodotto (accanto al suo enantiomero) della seguente reazione?</p> <div style="text-align: center;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>A.</p>  </div> <div style="text-align: center;"> <p>C.</p>  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>B.</p>  </div> <div style="text-align: center;"> <p>D.</p>  </div> </div>	
8	<p>Indicare il corretto meccanismo della seguente reazione:</p> <div style="text-align: center; margin-top: 20px;">  </div> <div style="margin-top: 20px;"> <p>A.</p>  </div> <div style="margin-top: 20px;"> <p>B.</p>  </div> <div style="margin-top: 20px;"> <p>C.</p>  </div> <div style="margin-top: 20px;"> <p>D.</p>  </div>	
9	<p>Quale è il prodotto della seguente reazione?</p> <div style="text-align: center; margin-top: 20px;">  </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>A.</p>  </div> <div style="text-align: center;"> <p>B.</p>  </div> <div style="text-align: center;"> <p>C.</p>  </div> <div style="text-align: center;"> <p>D.</p>  </div> </div>	

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10	<p>Indicare quali tra i composti indicati sotto contengono un gruppo ossidrilico secondario:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <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 style="text-align: center;"> V</div> <div style="text-align: center;"> VI</div> </div> <p>A) I,II,IV,VI B) I,III C) I,II,III,V D) I,III,V</p>	
11	<p>Quanti centri asimmetrici possiede la seguente molecola?</p> <div style="text-align: center;"></div> <p>A 2 B 3 C 4 D 5</p>	
12	<p>Quale tra i seguenti conformeri è quello a più bassa energia?</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>	
13	<p>Indicare la relazione che esiste tra le due molecole riportate sotto:</p> <div style="display: flex; justify-content: center; align-items: center; margin-bottom: 10px;">   </div> <p>A molecole identiche B enantiomeri C diastereoisomeri D conformeri</p>	
14	<p>Quale tra le seguenti strutture molecolari contiene due stereocentri?</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>	
15	<p>Quale è la configurazione assoluta del composto riportato sotto?</p> <div style="text-align: center;"></div> <p>A) 1R,2R B) 1S,2S C) 1R,2S D) 1S,2R</p>	
16	<p>Quale fra i seguenti composti è <i>meso</i>?</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>	

