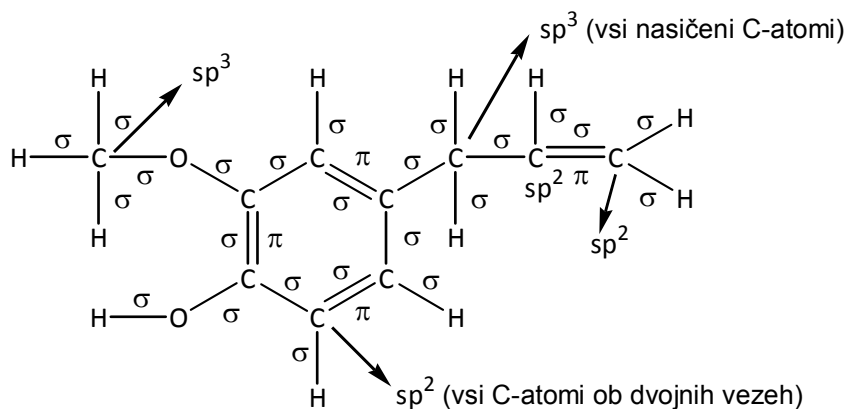


## Rešitve

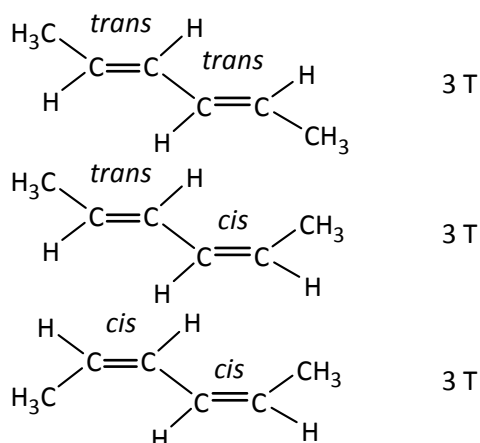
1.



Pravilna oznaka vrste vezi 4 T, pravilna oznaka hibridizacije C-atomov 3 T.  
(pri vsakem odgovoru se lahko upoštevajo tudi deleži pravilnih rešitev)

Skupaj: 7,0 T

2.

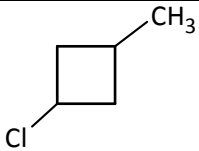
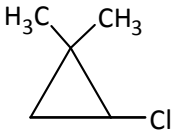
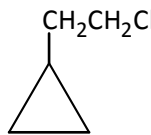
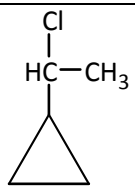
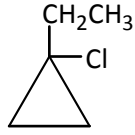
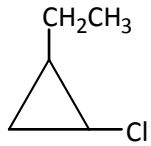
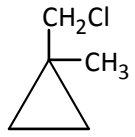
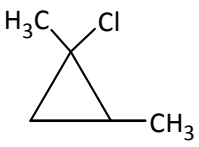
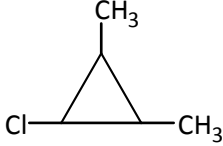
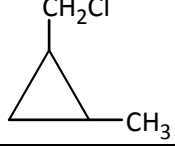


Zapis 2 T, oznaka konfiguracije 1 T.

Skupaj: 9,0 T

3.

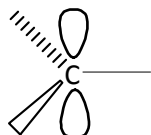

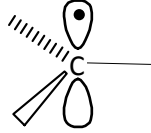
Skeletna ali racionalna formula	IUPAC-ovo ime
	klorociklopentan
	1-kloro-1-metilciklobutan
	klorometilciklobutan <i>ali</i> (klorometil)ciklobutan
	1-kloro-2-metilciklobutan

	1-kloro-3-metilciklobutan
	1,1-dimetil-2-klorociklopropan <i>ali</i> 1-kloro-2,2-dimetilciklopropan
	(2-kloroetil)ciklopropan
	(1-kloroetil)ciklopropan
	1-etil-1-klorociklopropan
	1-etil-2-klorociklopropan <i>ali</i> 2-etil-1-klorociklopropan
	1-klorometil-1-metilciklopropan 1-(klorometil)-1-metilciklopropan
	1,3-dimetil-1-klorociklopropan <i>ali</i> 1-kloro-1,2-dimetilciklopropan
	1,3-dimetil-5-klorociklopropan <i>ali</i> 1-kloro-2,3-dimetilciklopropan
	1-klorometil-2-metilciklopropan <i>ali</i> 1-(klorometil)-2-metilciklopropan

Vsak pravilni odgovor – skeletna formula in ime je 1 T.  
(upošteva se 10 struktur)

**Skupaj: 10,0 T**

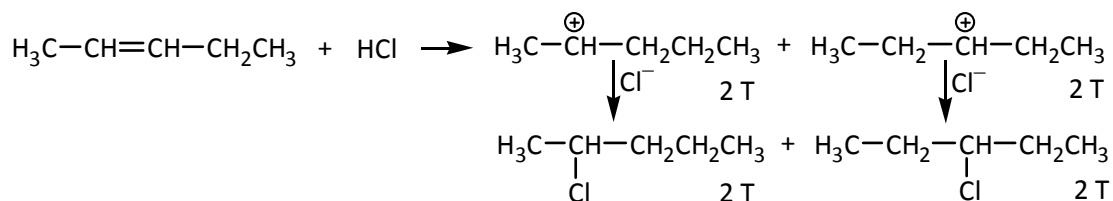
4.

	<b>karbokation</b> V valenčni lupini je 6 elektronov, p-orbitala je prazna.	3 T
	<b>karboanion</b> V valenčni lupini je 8 elektronov.	3 T
	<b>C-radikal</b> V valenčni lupini je 7 elektronov.	3 T

**Skupaj: 9,0 T**

- 5.1 Ker bencin vsebuje nepolarne molekule alkanov, voda pa je polarna. 2 T
- 5.2 Ker je gostota bencina manjša od gostote vode. 2 T
- 5.3 Ker je odpornost obeh bencinov proti kompresiji zelo podobna. 2 T
- 5.4 Ker so v dizelskem gorivu prisotni alkani z večjim številom C-atomov. 2 T
- 5.5 Ker pri nizki temperaturi preide dizelsko gorivo v trdno agregatno stanje. 2 T **Skupaj: 10,0 T**

6. Produkti:



Razlaga:

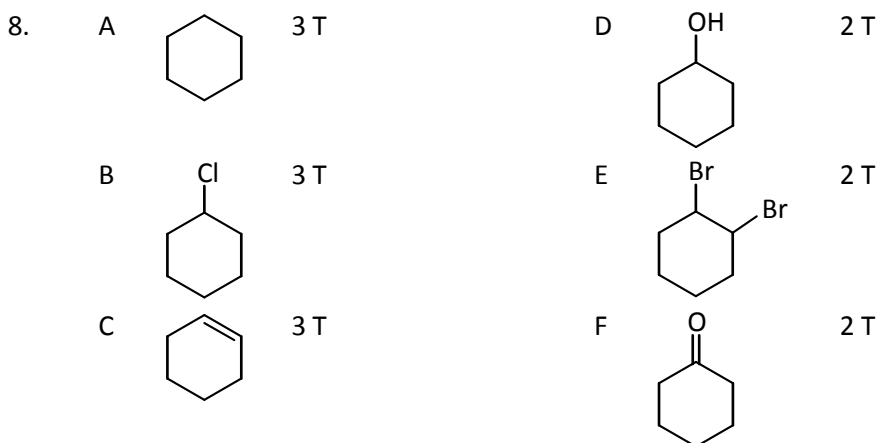
Adicija poteče po obeh poteh, saj v obeh primerih nastaneta sekundarna karbokationska intermedata.

2 T

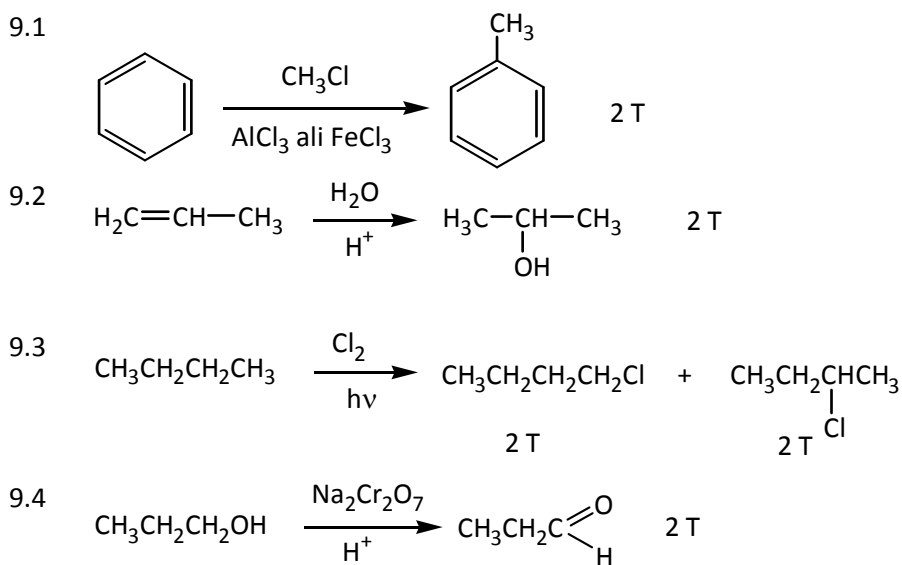
**Skupaj: 10,0 T**7.1  $\text{H}_2\text{C}=\text{CH}-\text{CH}_3$  2 T7.2  2 T

7.3 eliminacija vode ne poteče 2 T

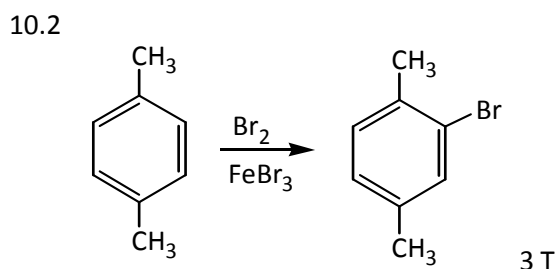
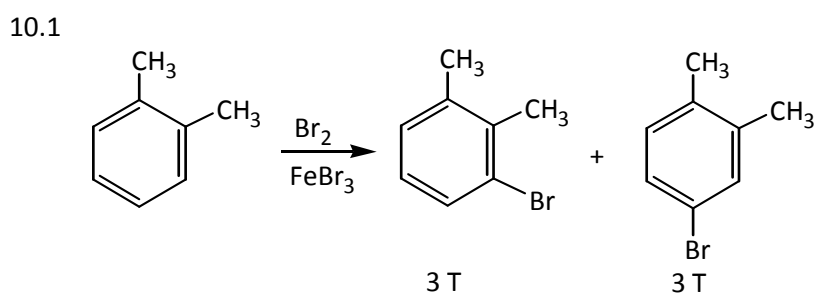
7.4  2 T**Skupaj: 8,0 T**



**Skupaj: 15,0 T**



**Skupaj: 10,0 T**



10.3 Pri bromiranju *orto* izomera nastaneta dva monobromirana produkta, pri *para* izomeru pa le en monobromiran produkt

3 T **Skupaj: 12,0 T**

**Vse skupaj: 100,0 T**