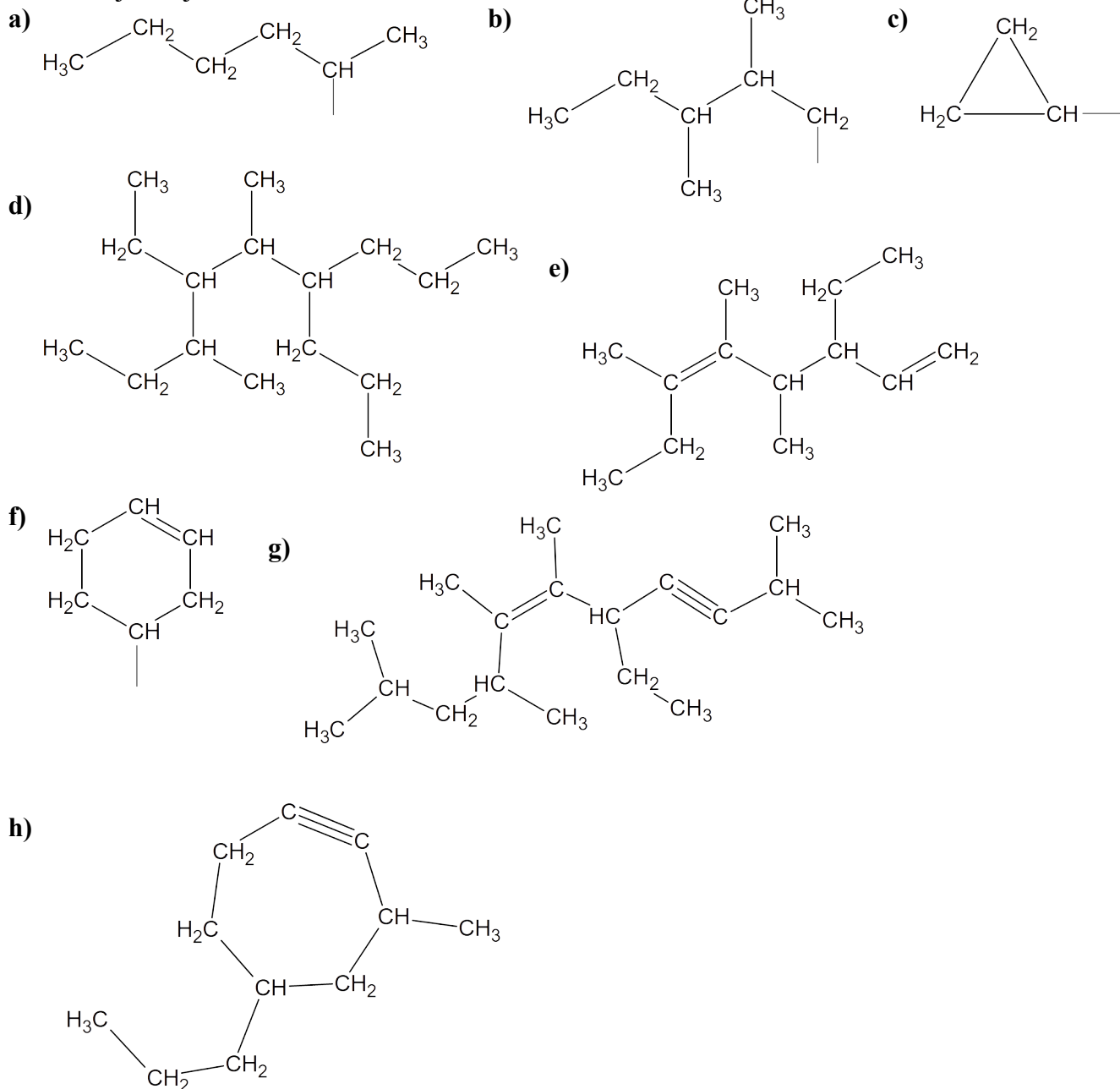


Názvosloví organických sloučenin – příklady k procvičování

1. Pojmenujte:

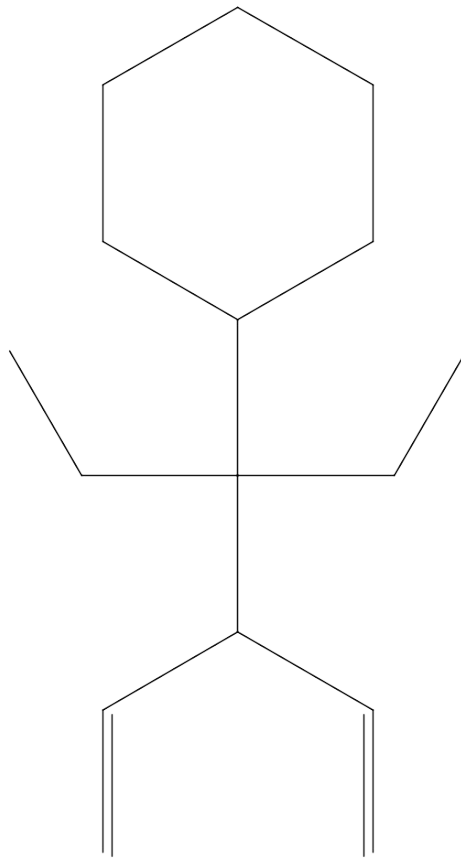


2. Napište strukturní vzorce všech izomerů hexanu a pojmenujte je.

3. Napište vzorce:

- 5-ethyl-5,6,6-trimethylheptyn
- 3,6-diethyl-2,4-dimethyl-4-propyl-1,7-oktadien
- cyklohepta-1,4-dien
- 3,6,6-triethyl-3-methylokt-4-en
- 2-vinyl-cyklohexa-1,3-dien
- 3,4-dipropylohexa-1,3-dien-5-yn
- 5-ethynylhepta-1,3,6-trien
- cyklopenta-2,4-dien-1-yl

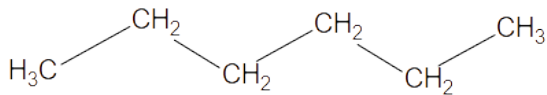
4. Bonus: co nejspřávněji pojmenujte „panáka“



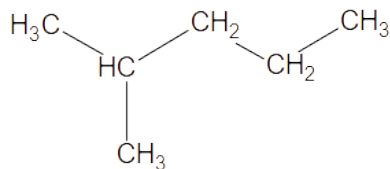
Řešení názvosloví

1. a) hexan-2-yl
 c) cykloprop-1-yl
 e) 3-ethyl-4,5,6-trimethylocta-1,5-dien
 g) 5-ethyl-2,6,7,8,9-pentamethylundec-6-en-3-yn
- b) 2,3-dimethylpent-1-yl
 d) 4-ethyl-3,5-dimethyl-6-propylnonan
 f) cyklohex-3-en-1-yl
 h) 3-methyl-5-propylcyklohept-1-yn

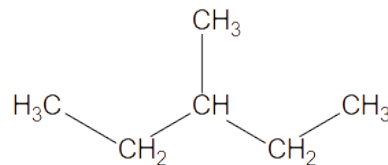
2.



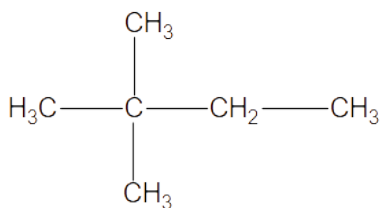
hexan



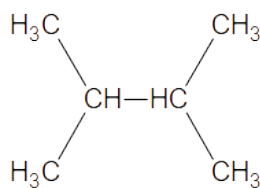
2-methylpentan



3-methylpentan

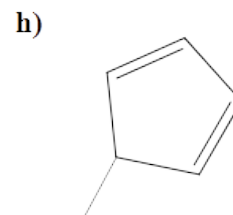
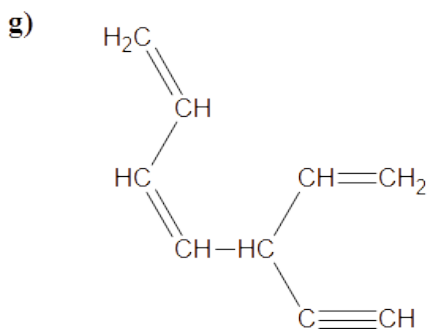
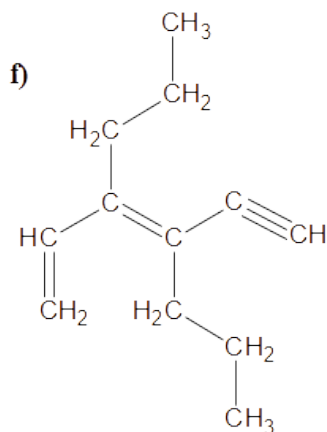
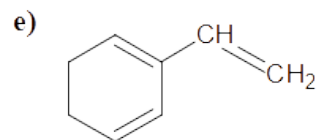
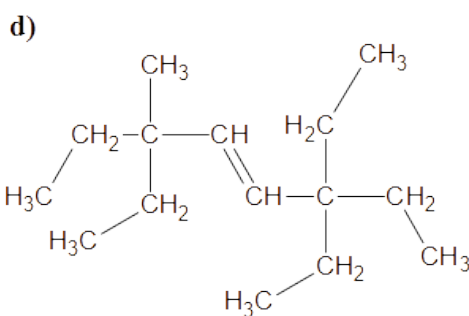
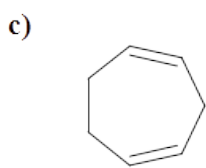
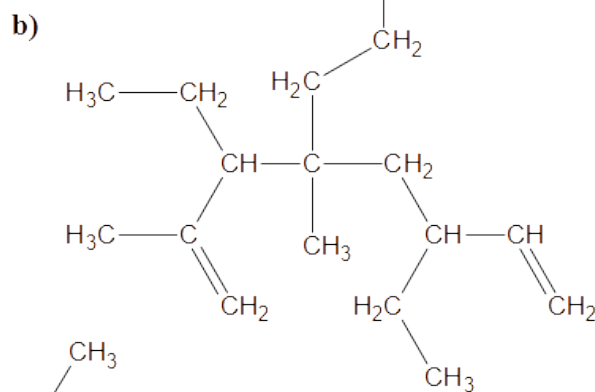
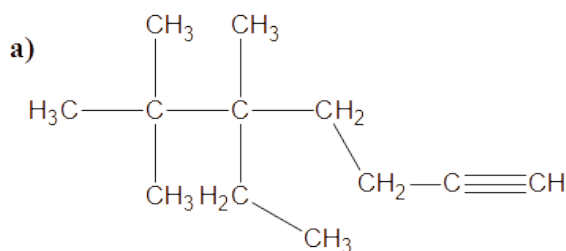


2,2-dimethylbutan



2,3-dimethylbutan

3.



4. 3-(3-cyklohexylpentan-3-yl)penta-1,4-dien