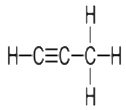
Facit: Alkaner, alkener, alkyner, cykliska kolväten, arener och halogenalkaner

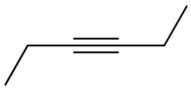
1. Ange ämnesklass (t.ex. alkan eller alken) och rationellt namn (t.ex. 2-metylpropan) för nedanstående föreningar:

   Svar:

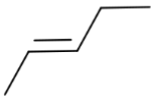
a) Alkyn; Propyn



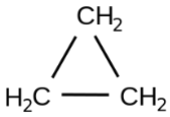
b) Alkyn; 3-hexyn



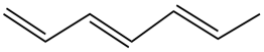
c) Alken; 2-penten



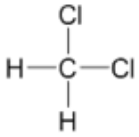
d) Cykliskt kolväte; Cyclopropan



e) Alken (trien); 1,3,5-heptatrien

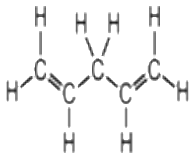


f) Halogenalkan; Diklormetan

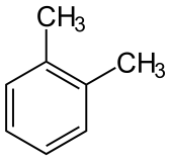


g) Aren; Bensen

h) Alken (dien); 1,4-pentadien

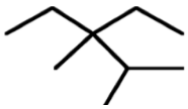


i) Aren; orto-xylen eller 1,2-dimetyl-bensen

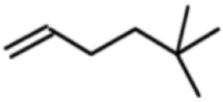


j) Cykliskt kolväte; Cyklopenten

k) Alkan; 3-etyl-2,3-dimetylpentan



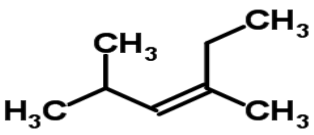
l) Alkan; 5-dimetyl-1-hexen



2. Rita nedanstående föreningar:

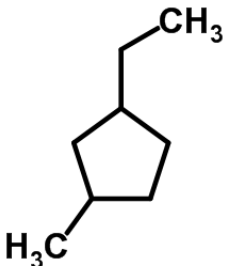
   a) 2,4-dimetyl-3-hexen

   Svar:



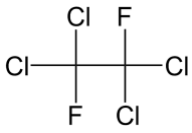
   b) 1-etyl-3-metylcyclopentan

   Svar:



Obs. Helt ok att utelämna beteckningen på CH_3 grupperna.

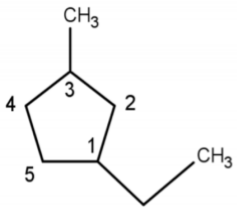
3. Ange rationellt namn för nedanstående halogenalkan:



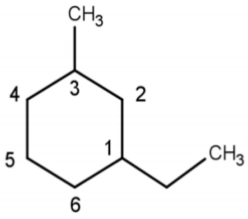
Svar: 1,1,2,2-tetraklor-1,2-difluoretan

4. Ange rationellt namn för nedanstående föreningar:

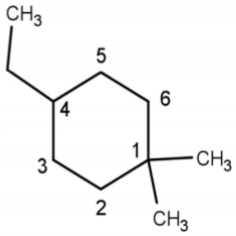
a)



b)



c)



Svar:

a) 1-etyl-3-metylcyklopentan

b) 1-etyl-3-metylcyklohexan

c) 4-etyl-1,1-dimetylcyklohexan