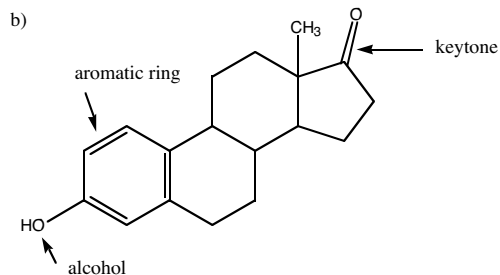
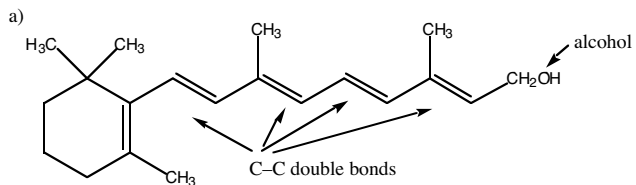


## Lecture 1 – Selected answers to homework

12.17 – answer in book

12.29 –

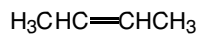


12.33 – The compounds are not isomers because they don't have the molecular formula

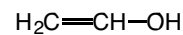
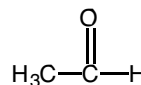
12.39 – There are several possible answers. There may be other valid compounds, check the molecular formulas for the compounds that you came up with.



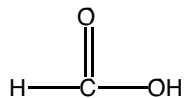
(b)



(c)

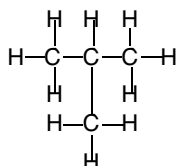
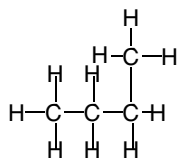
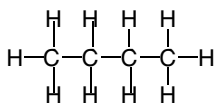


(d)



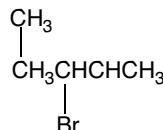
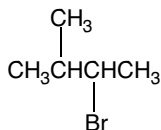
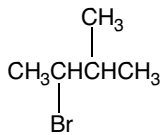
12.43

(a)



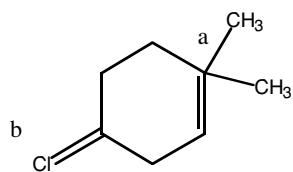
The first two structures are identical; the third is an isomer

(b)



The first two structures are identical; the third is an isomer

12.45



- a. The carbon has 5 bonds
- b. The chlorine-carbon bond should be a single bond

13.44 – Answer is in the book.