Extra Practice Questions for Organic Compound Names / formulas

1. Give the names for the following chemical compounds:

a).
$$H_3C$$
— CH_2 — CH — CH_2 — CH_3

c).
$$H_3C$$
— CH = C
 CH_3
 CH_3

d).
$$H_3C$$
— CH — CH — CH_2 — CH_2 — CH_3

2. Draw the structures for the following compounds (condensed structural formula):

- a). 2-butene
- b). propanal
- c). 3-chloro, 1-pentanol
- d). 2-pentene

CH1020

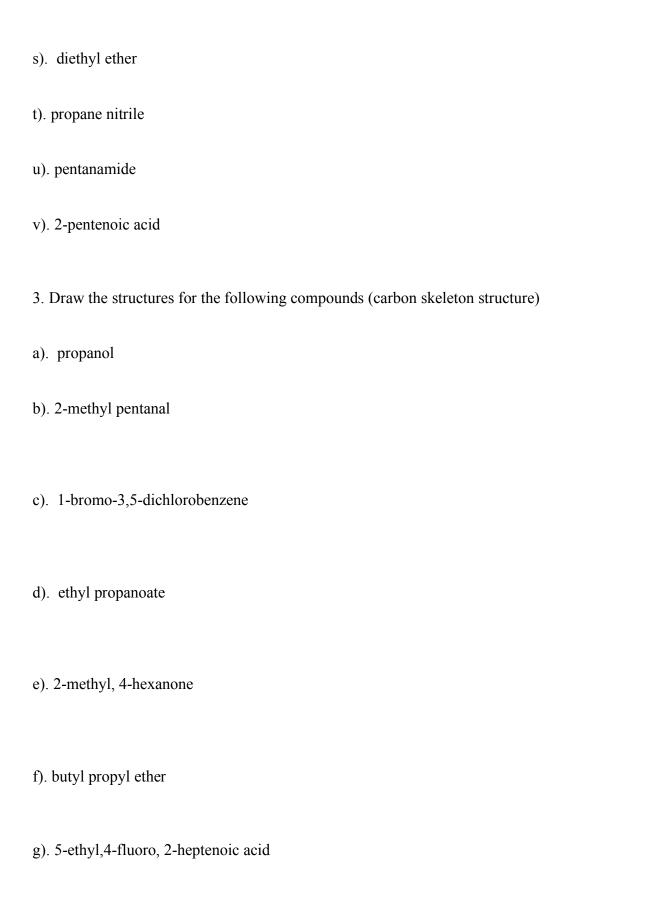
Worksheet 13b

e). 1-butene

- g). 1,3 dimethyl cyclobutane h). 2,2,4 trimethylhexane i). 2-methyl-3-ethyl hexanoic acid j). 3-hexanone k). 2-chloro-3,3-dimethyl hexane 1). 1-chloro-3-fluorobenzene n). 3-methyl hexanoic acid o). 2-methyl butanoic acid p). butyl propanoate
- r). 2-hexanone

q). hexyl amine

CH1020 Worksheet 13b



CH1020 Worksheet 13b

- h). 2,3 dimethyl butanal
- i). 1-ethyl, 2-methyl cyclopentane
- j). pentanamide
- k). 4-cyclopentanyl-2-hexene (this is a difficult one I wouldn't use in an exam for the fun of it)