

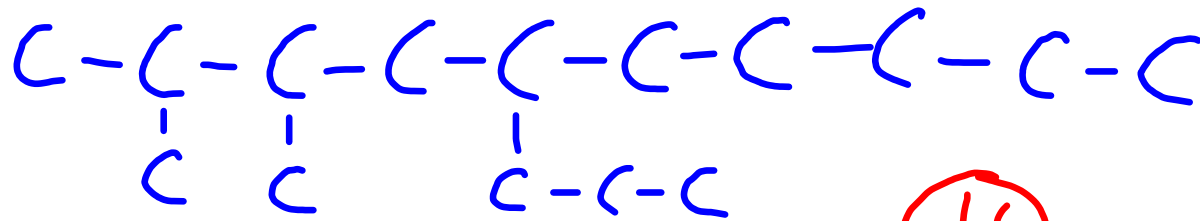
1. a) 2,4 dimethyl hexane

b) 2,4,7 trimethyl nonane

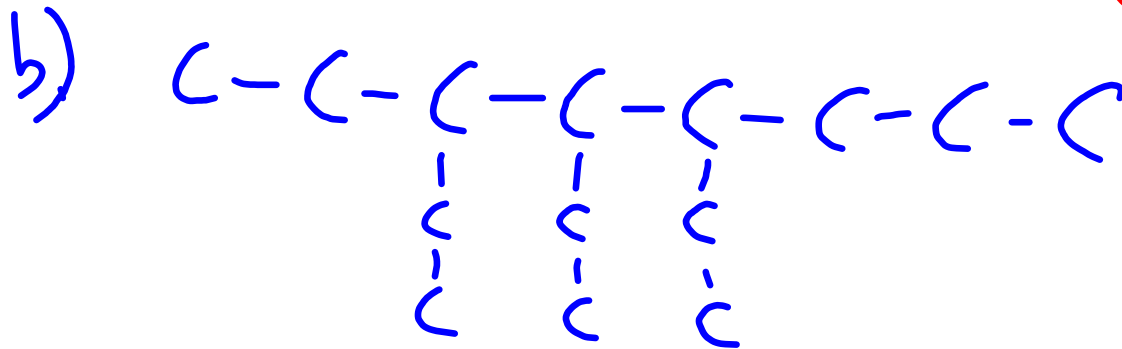
3

c) 2,2,4 trimethyl pentane

2. a)



4

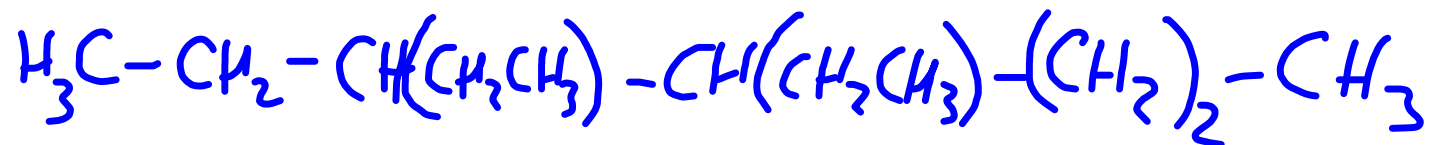
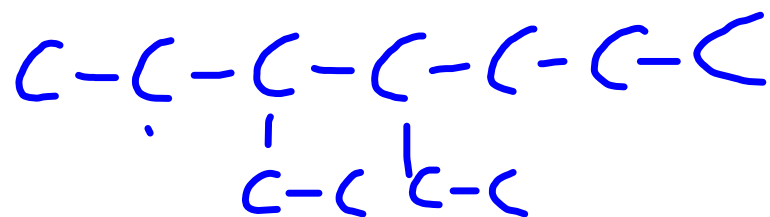


3.a) 2 methyl pentane

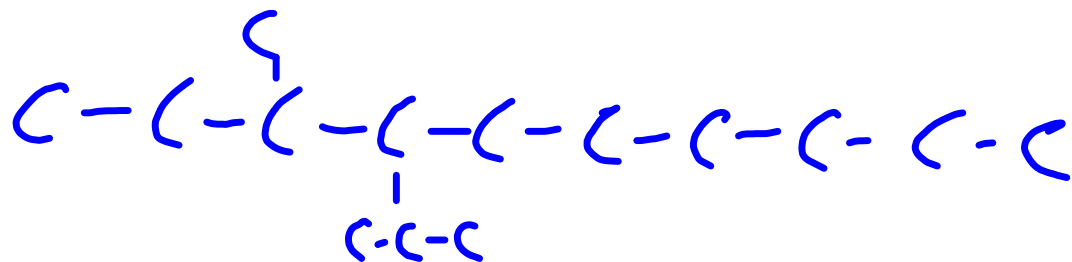
b) 2,2 dimethyl propane

(2)

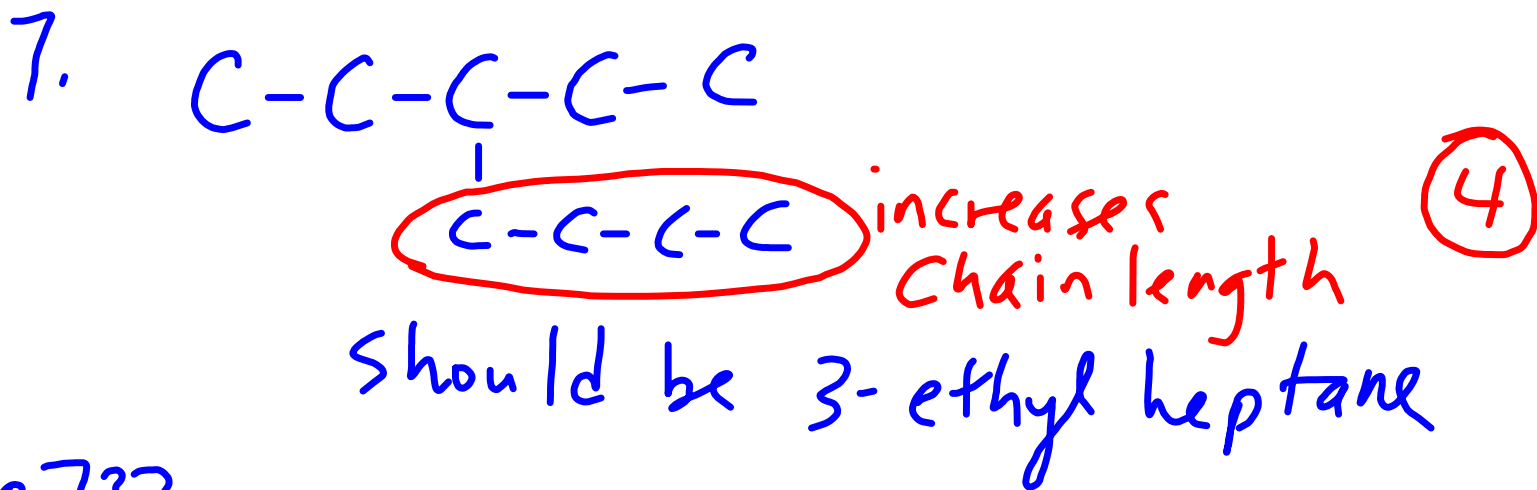
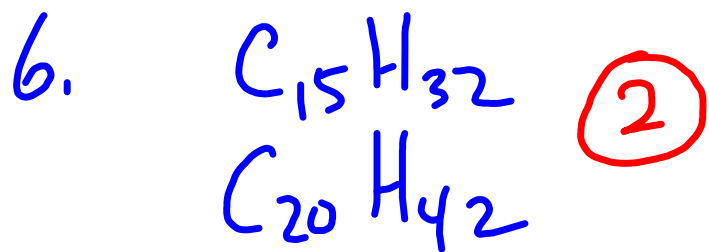
4. a)



b)



(4)



p 732

43. a)  $-CH_3$  methyl  
b)  $-CH_2CH_2CH_2CH_3$  butyl (3)  
c)  $-CH_2-(CH_2)_6-CH_3$  octyl

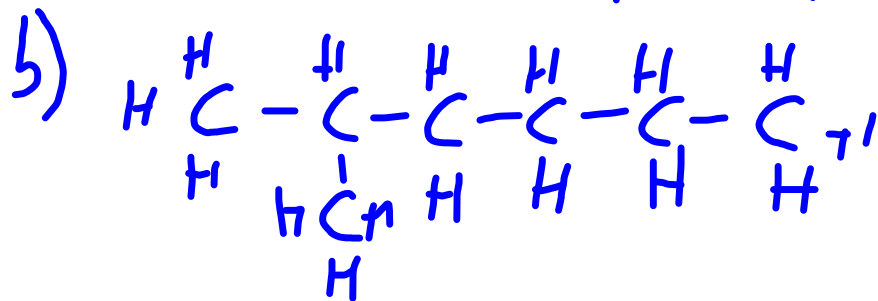
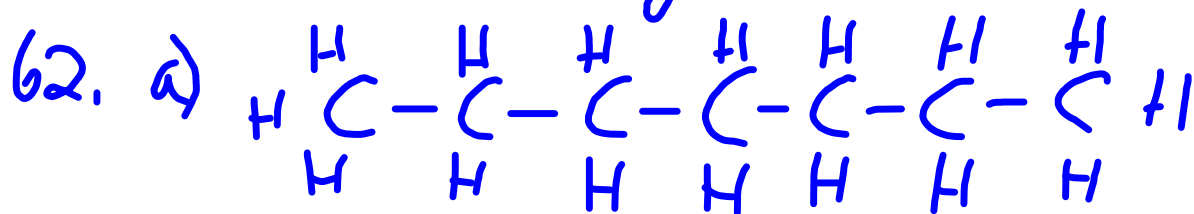
61. a) pentane

b) 3-methyl pentane

c) 2,4-dimethyl hexane

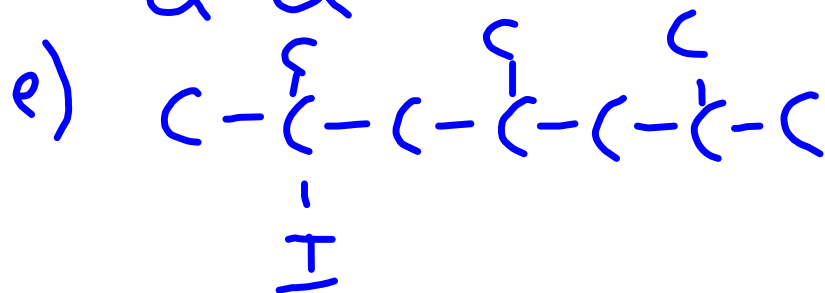
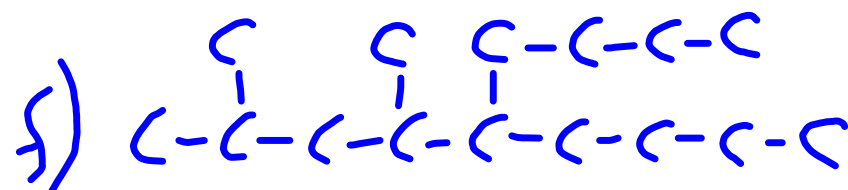
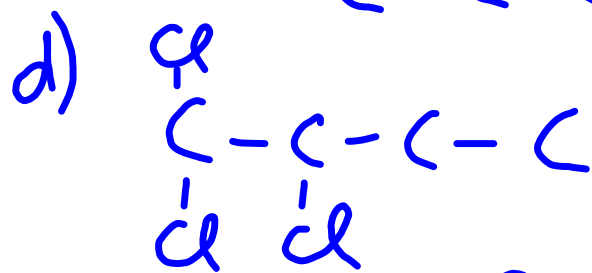
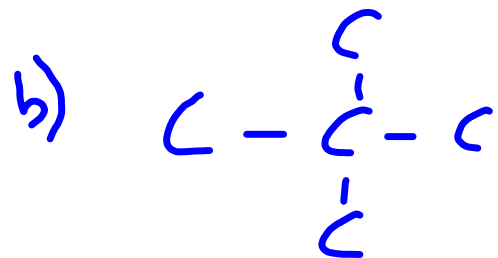
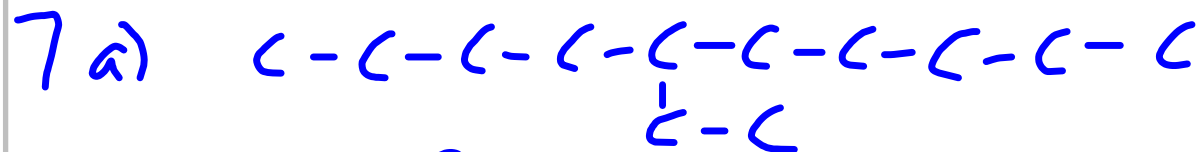
d) 2,3-dimethyl butane

4

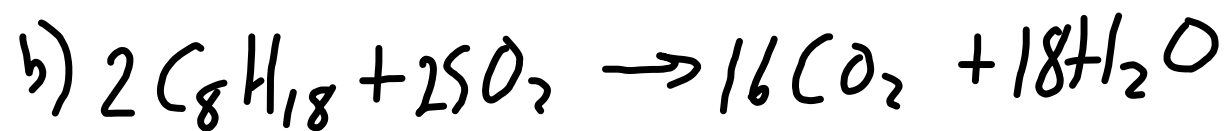
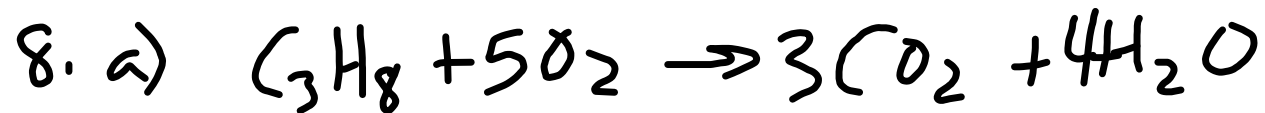


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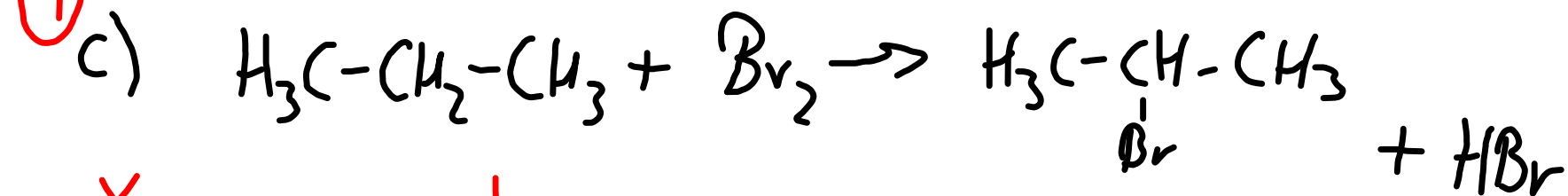
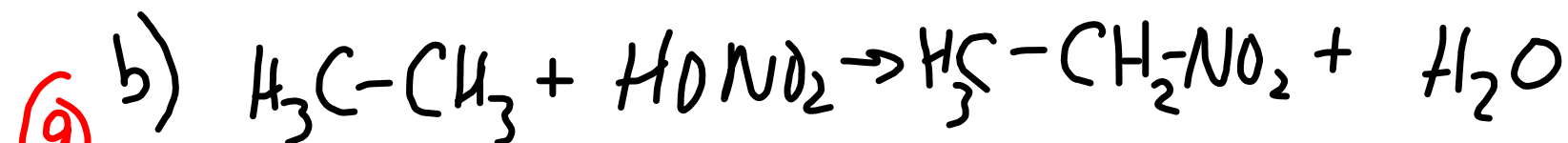
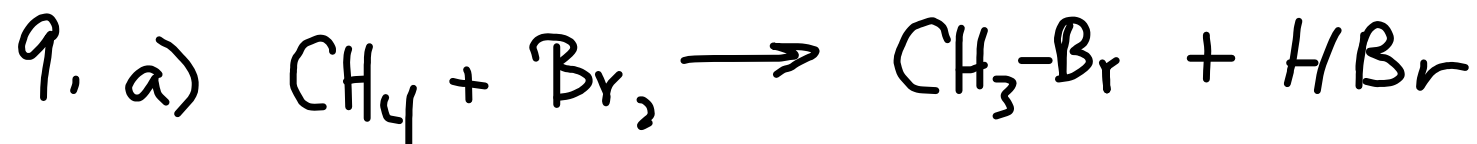
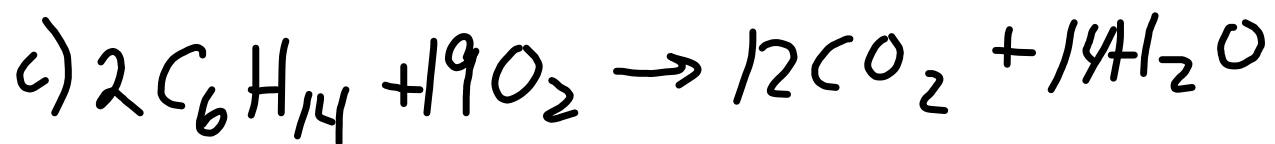




12



9



$\frac{X}{73} \times 25 = \text{grade}$

