



### TOPIC 7 EXERCISE 1 - Representation and formulae of organic compounds

1. Given two molecular formulae  $C_4H_{10}$  and  $C_4H_8$ ;

Select a compound which could be:

- a) an alkane
- b) a cycloalkane
- c) an alkene

In each case, draw one possible structure to show how your choice is correct.

2. State the class of organic molecule to which the following compounds belong:

- a)  $CH_3CH_2CH_3$
- b)  $CH_3CH=CH_2$
- c)  $CH_3CH_2CH_2Br$

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