

Friday Worksheet

Name:

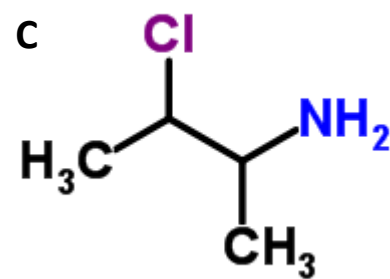
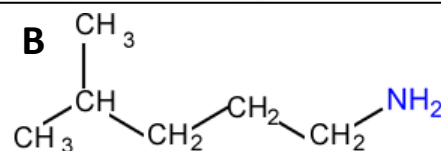
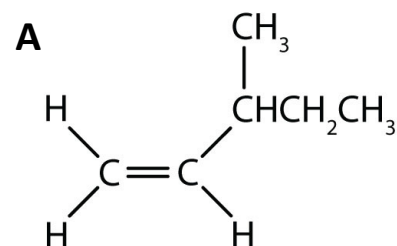
Organic worksheet 2

- 1) Give the systematic IUPAC name for the molecules shown on the right .

A) _____

B) _____

C) _____

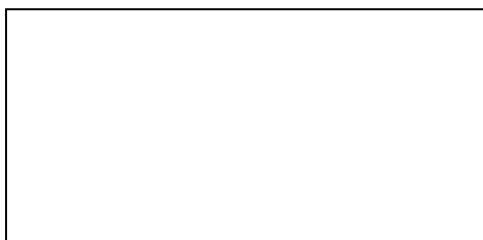


- 2) Give the structural and semi-structural formulae of the following molecules.

a) 3-Chlorobutan-2-amine



b) 2,3-dimethyl-1,3-butadiene



3) 1.35 g of an alkene that contains two double bonds per molecule reacted completely with 8.0 g of bromine, Br₂. The molar mass of bromine, Br₂, is 160 g mol⁻¹.

a) Which one of the following is the molecular formula of the alkene? Explain how you arrived at your choice. Show all working out.

1) C₃H₄,

2) C₄H₆,

3) C₅H₈,

4) C₆H₁₀

b) Draw structural formulae and name each isomer of the alkene.