

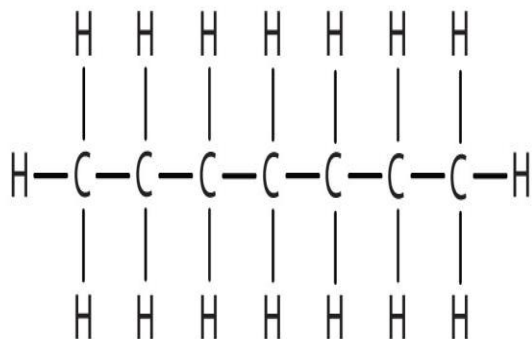
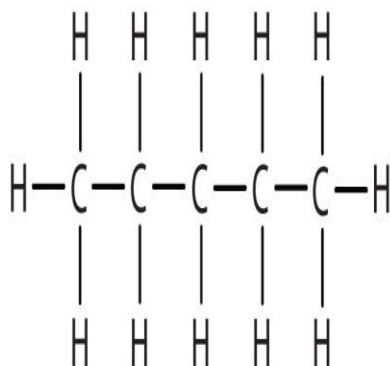
MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME

GRADE 10

CHEMISTRY

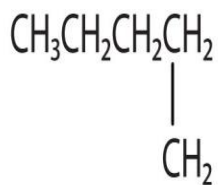
WEEK 3

Lesson 1 WORKSHEET 1

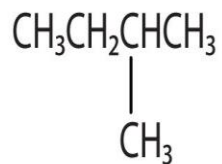


1. Indicate whether the structures in each set represent the same compound or isomers.

a. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$ and



b. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$ and



Answer sheet

1. Straight-chain alkanes and branched-chain alkanes have different properties as well as different structures.
2. Butane and iso-butane have the same chemical formula but differ in properties. Isobutane has a branched-chain while butane has a straight chain.
3.
 - a. pentane
 - b. heptane
4.
 - a. isomer
 - b. isomer