Let me count the Ways

In this activity, you will build your own structural isomers.

Materials

Model kit Different coloured pencils

blank paper

Methods

- 1. Obtain a model kit. The black balls represent carbon atoms and the white balls represent hydrogen atoms. The short grey sticks represent single bonds and the longer sticks represent part of a double bond.
- 2. Join 5 carbon atoms in a straight line.
- Add the appropriate number of hydrogen atoms needed to form a saturated alkane.
- Draw a picture of your model using coloured pencils. Name it. Include a legend of the colours you used.
- 5. Rearrange your molecule to form 2 different structural isomers that are different than your straight chain molecule.
- 6. Draw a picture of each isomer and name each one.
- Now build a 5 carbon structure with 1 double bond. Add the appropriate number of Hydrogens.
- 8. Draw a picture of your structure and name it.
- Rearrange your molecule to form 2 different structural isomers that are different than your straight chain molecule.
- 10. Draw a picture of each isomer and name each one.