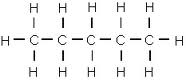
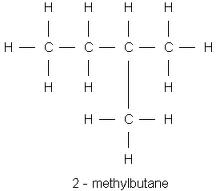
**Isomers**

**Isomers: are different forms of organic compounds that have different properties because they have a different structure (shaped different).**

**Example:**

**C5H12 C5H12**

[](http://www.google.com/imgres?imgurl=http://faculty.clintoncc.suny.edu/faculty/michael.gregory/files/Bio%20101/Bio%20101%20Lectures/Biochemistry/pentane.gif&imgrefurl=http://faculty.clintoncc.suny.edu/faculty/michael.gregory/files/bio%20101/bio%20101%20lectures/biochemistry/biochemi.htm&h=100&w=233&sz=2&tbnid=oorK_ylWg27DTM:&tbnh=58&tbnw=136&prev=/search?q=Picture+of+Pentane&tbm=isch&tbo=u&zoom=1&q=Picture+of+Pentane&docid=X7tXIgoMhCqHvM&sa=X&ei=tkWxT_jnGY6Q8wSv7viICQ&ved=0CF0Q9QEwBw&dur=8719)

[](http://www.google.com/imgres?imgurl=http://www.hferrier.co.uk/higher/unit2b/unit2b4.gif&imgrefurl=http://www.hferrier.co.uk/higher/unit2b/unit2b.htm&h=239&w=275&sz=2&tbnid=p6H7WuqX9KhDxM:&tbnh=91&tbnw=105&prev=/search?q=Picture+of+2+-+Methylbutane&tbm=isch&tbo=u&zoom=1&q=Picture+of+2+-+Methylbutane&docid=SNFvTbLcEVGFEM&hl=en&sa=X&ei=OkaxT7KBFYHg2gWeh8Am&sqi=2&ved=0CFYQ9QEwAw&dur=1110)

**Pentane 2-Methyl Butane**

**Straight chain Bent chain**

**Use the following steps when naming isomers:**

1. **Identify the longest carbon to carbon chain (parent chain) and figure out the ending (ane, ene or yne).**

**Example:**

1. **Number the carbons in the parent chain and identify the daughter chain (then work back**

**words).**

**2 – Methyl Propane**

**From the 2nd C. Daughter Chain Parent chain**

**Draw the following:**

1. **Pentyne**
2. **3 – Ethyll Hexane**
3. **1, 4 Di Methyl Hexane**
4. **Butene**
5. **2 – Propyl Hexane**