

## USER GUIDE & EXAMPLES

This learning tool facilitates the drawing of the various modes of representation of organic compounds and thus, contributes to improve the understanding of the fascinating science of organic chemistry.

**For optimal results**, we recommend using a pen or a pencil of about 0.7 mm in diameter.

**For secure storing and carrying**, we recommend you insert your stencil in its envelope, then between the pages of a book.

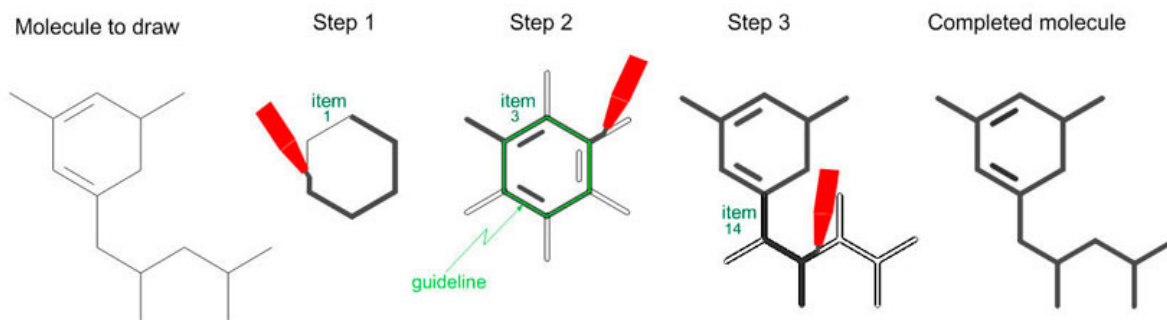
The methods of representation of organic compounds vary, and the molecules are often complex. Drawing the structures is best done step by step. Here is an example showing how to use the stencil.

Subsequently, follow the same method for any other organic structure.

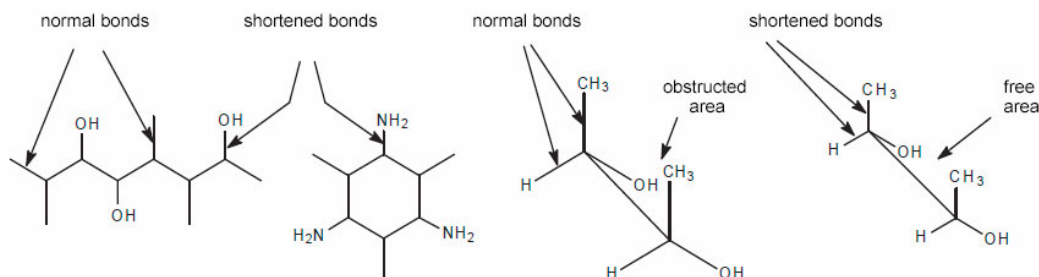
**Step 1-** To draw the molecule from the example shown here, start by using item 1 and draw the hexagon.

**Step 2-** Place the green guideline of item 3 over your newly drawn hexagon. Plot the two internal double bonds of the cycle and then the two external simple bonds.

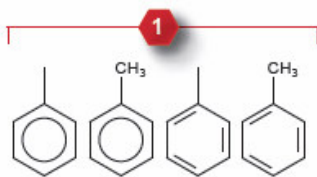
**Step 3-** Place item 14 on the lower edge of the hexagon as shown. Draw the appropriate bonds to complete the structure.



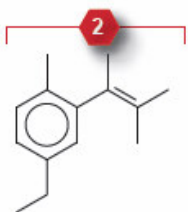
To insert the symbol of one or more atoms in a formula, shorten the length of the links following the example below.



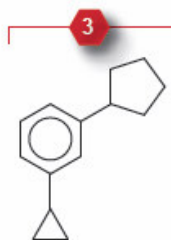
In the following pages you will find examples of molecules that can be drawn with the stencil. The stencil elements are all numbered. The number of elements required to reproduce each example appears at the bottom of each molecular structure.



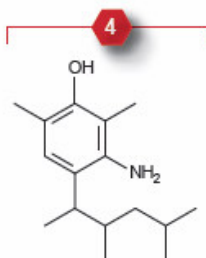
Items: 1; 2; 3



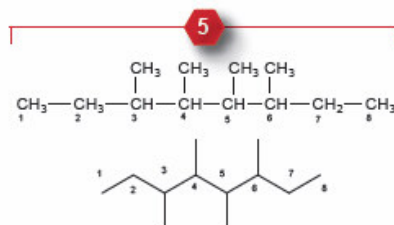
Items: 1; 2; 14; 13



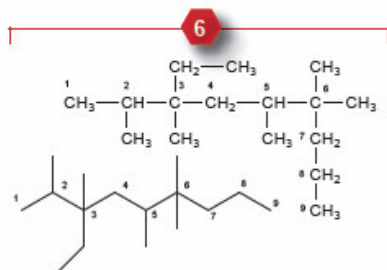
Items: 1; 2; 4; 8



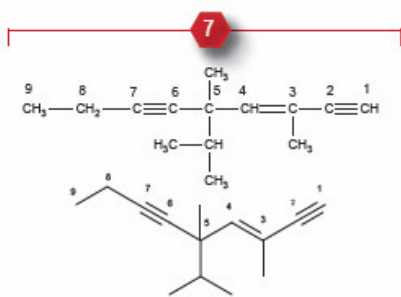
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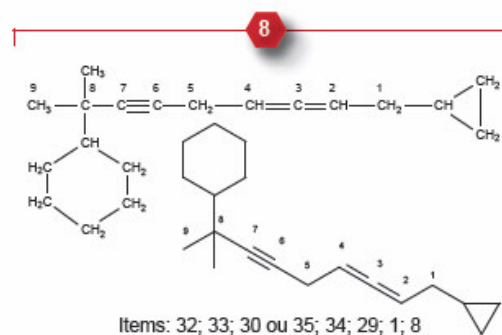
Items: 14



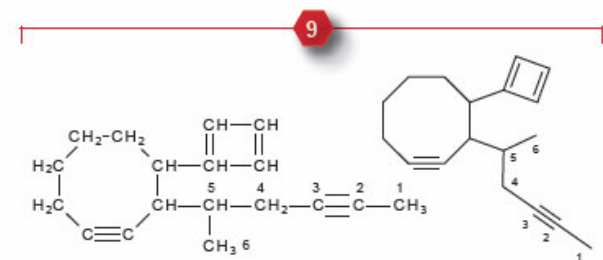
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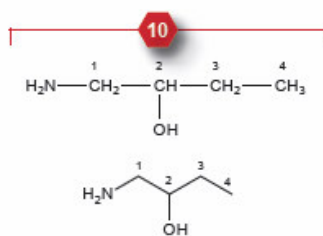
Items: 16; 17; 13; 14



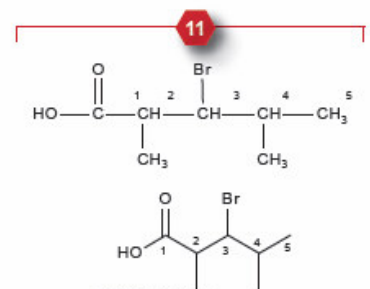
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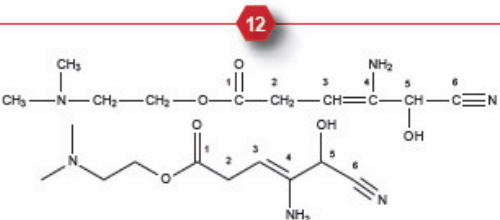
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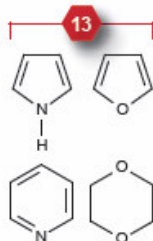
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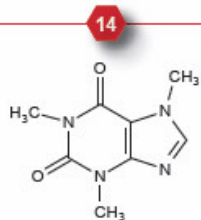
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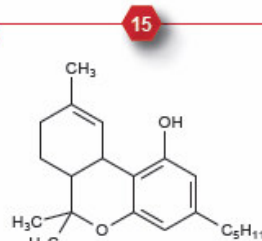
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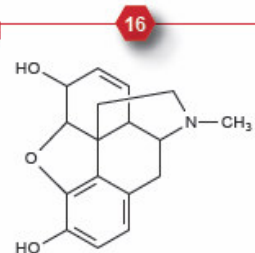
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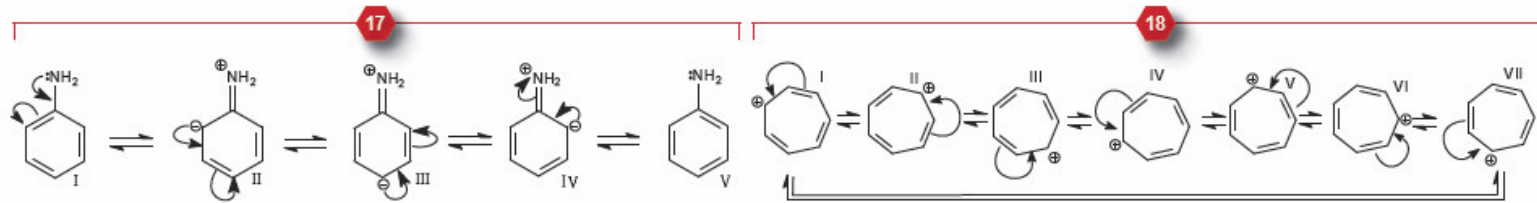
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Items: 1; 3; 8

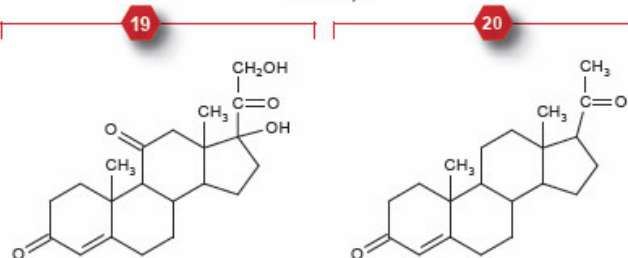


Items: 1; 3; 4



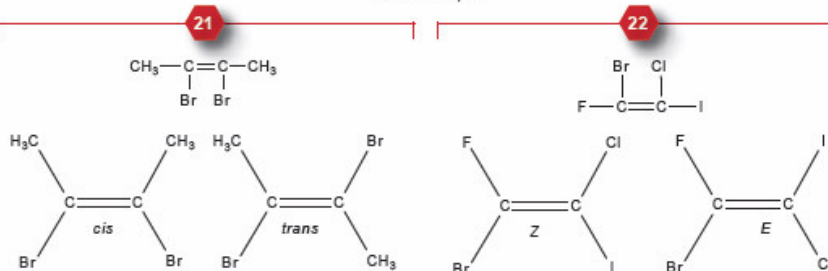
Items: 1; 3

Items: 27; 3



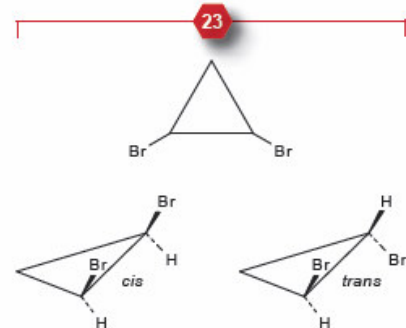
Items: 1; 3; 4; 5; 14 ou 15

Items: 1; 3; 4; 5; 14 ou 15

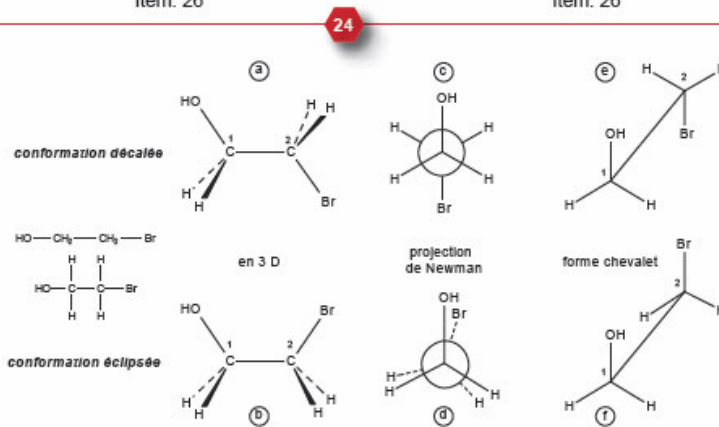


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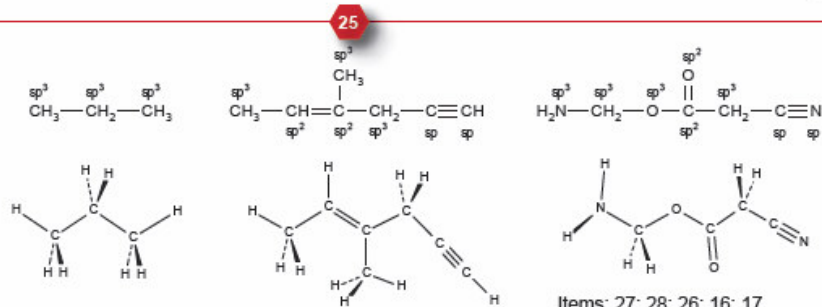
Item: 26



Items: 36; 37

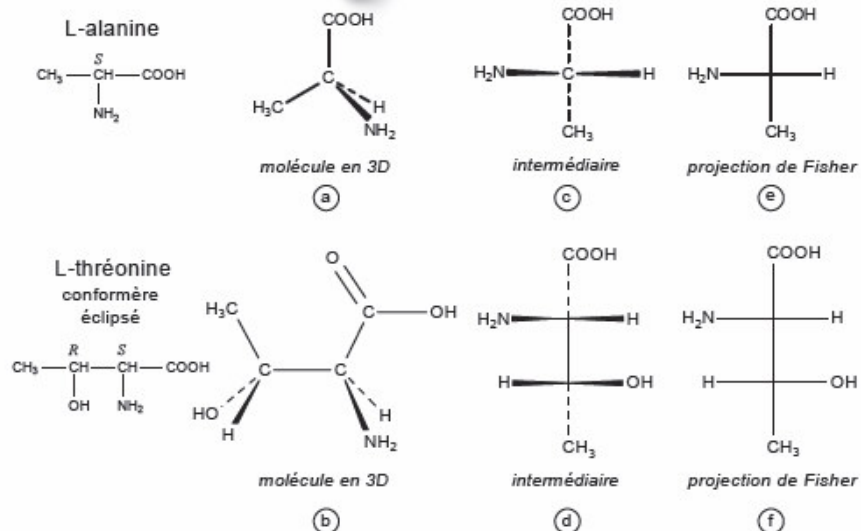


Items a: 30; b: 29; c: 18 d: 18 e: 22; 23; 24; f: 22; 23

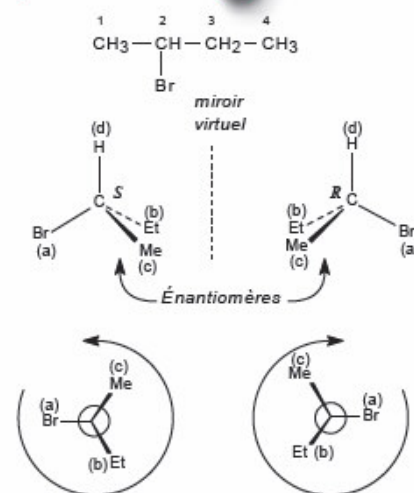


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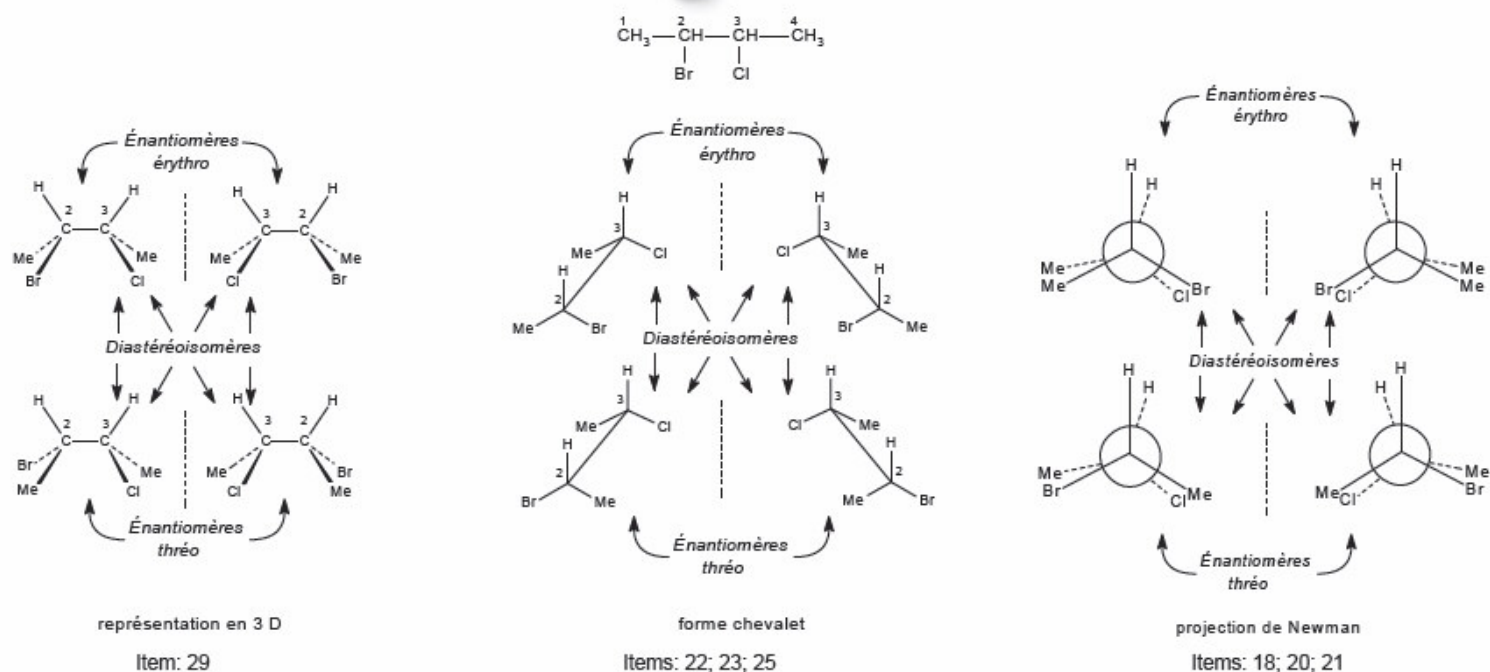
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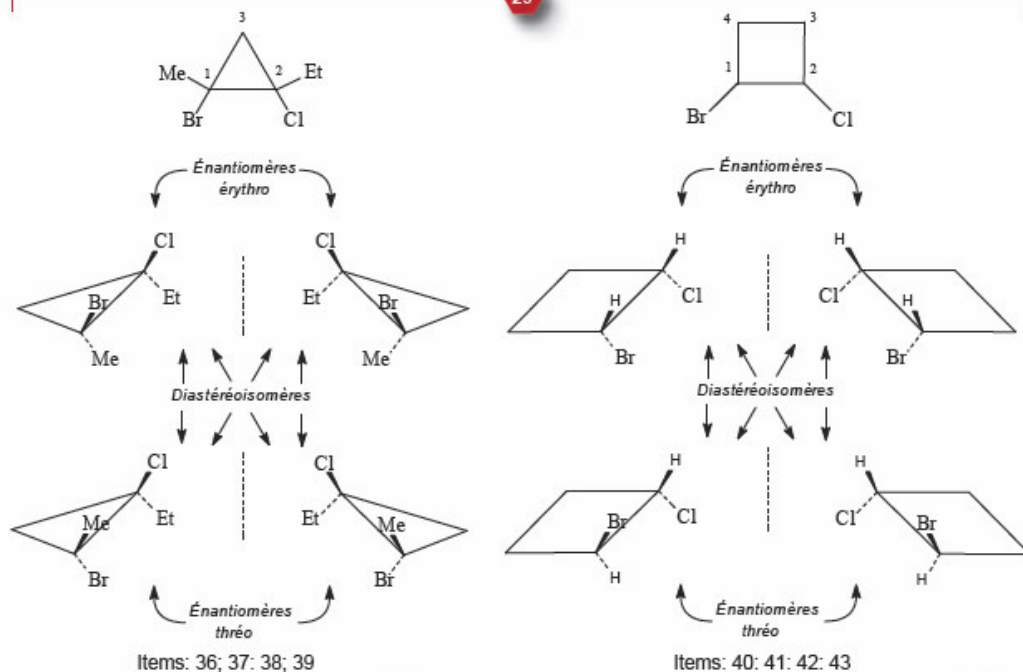
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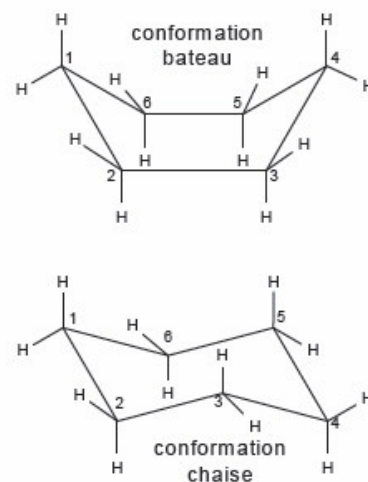
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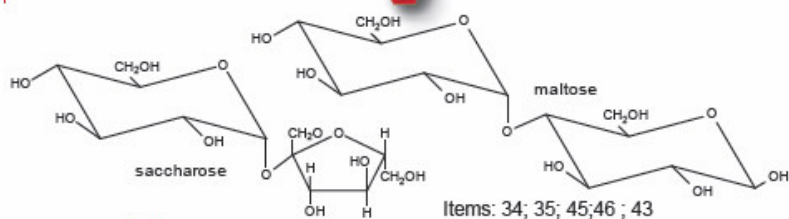
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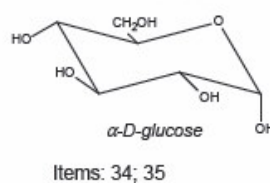
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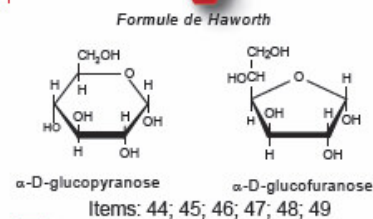
31



32

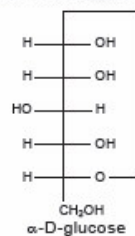


33



34

Forme hémicétalique



35

Projection de Fisher



36

Projection de Fisher

