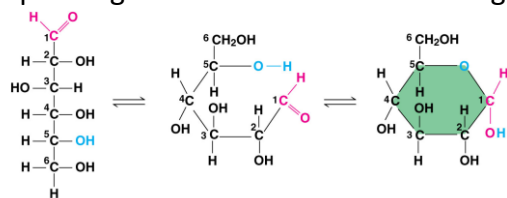


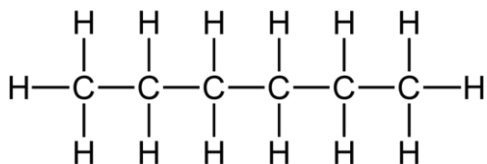
## Ring forms of molecules: an exercise

Sugars frequently exist as linear and ring forms of the molecule in any sample. They are drawn both ways depending on what the author is talking about.



(a) Linear and ring forms

Fatty acids frequently form rings as well.



Hexane



Cyclohexane

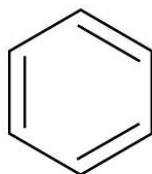
Write the chemical formula in the space below the two molecules below, e.g. water is  $\text{H}_2\text{O}$ , Glucose is  $\text{C}_6\text{H}_{12}\text{O}_6$ . Chemists are lazy, and they like to confuse biology students, so they refuse to draw in the C or the H. They assume anyone could figure out the formula because carbon always bonds four times, so they do not draw the carbons on the ring forms, and they do not draw the hydrogens since they are so common. Any other element they will draw on the rings, see steroids at bottom of the page.

### Cyclohexane



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### Benzene



\_\_\_\_\_

### Steroids

