

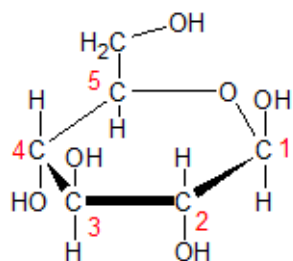
**Answer on Question #41092 – Chemistry – Organic Chemistry**

**Question:**

Number of chiral carbons in  $\beta$ -D-(+)-glucose is: (1)Six; (2)Three; (3)Four; (4)Five

**Answer:**

The linear form of glucose has 4 chiral atoms of carbon. On the contrary, the cyclic form (shown below) has **5 chiral atoms of carbon** numbered respectively the first (1), the second (2), the third (3), the fourth (4) and the fifth (5). **(4) Five** is the correct answer on the test question.



**$\beta$ -D-(+)-glucopyranose**