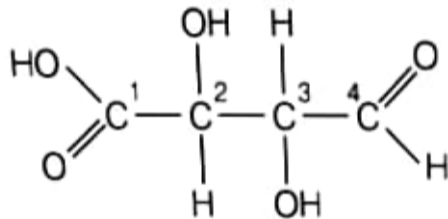


4 Which of the carbon atoms present in the molecule given below are asymmetric?



(a) 1, 2, 3, 4

(b) 2, 3

(c) 1, 4

(d) 1, 2, 3

s. (b) Carbon has four valencies. If a carbon atom satisfies all of its four valencies with four different groups then it is termed as asymmetric/chiral carbon. In the given compound, 2 and 3 carbon are bonded to four different groups, so these are asymmetric.