

Q) Arrange the following in decreasing order of their boiling points.

(A) n-Butane

(B) 2-Methylbutane

(C) n-Pentane

(D) 2,2-Dimethylpropane

(a) $A > B > C > D$

(b) $B > C > D > A$

(c) $D > C > B > A$

(d) $C > B > D > A$

Sol: (d) As the number of carbon atom increases, boiling point increases. Boiling point decreases with branching.