If p and q are the roots of the equation $x^2 + px + q = 0$, then

(a) p = 1, q = -2

(b) p = 0, q = 1

(c) p = -2, q = 0

(d) p = -2, q = 1

Solution:

Given $x^2 + px + q = 0$

Sum of roots, p + q = -p

Product of roots, pq = q

=> p = 1

1+q = -1

=> q = -2

So p = 1, q = -2.

Hence option a is the answer.