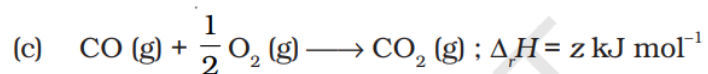
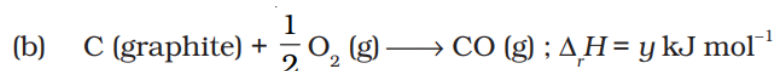


10. On the basis of thermochemical equations (a), (b) and (c), find out which of the algebraic relationships given in options (i) to (iv) is correct.



(i) $z = x + y$

(ii) $x = y - z$

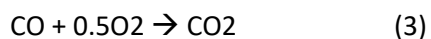
(iii) $x = y + z$

(iv) $y = 2z - x$

Solution:

(iii) is the correct answer

Explanation:



So, (2) + (3) = (1)

Hence, $y + z = x$