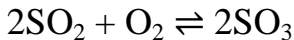


Sulfur trioxide is produced by reacting sulfur dioxide with oxygen.



This reaction is exothermic. There are two statements below.

1 The atom economy of the reaction producing sulphur trioxide is 100%

2 An increase in temperature will increase the equilibrium yield of sulfur trioxide

Which of these statements are correct?