#68662 Chemistry, Other

How many spectator ions are found in the chemical reaction between aluminum oxide and sulfuric acid?

Answer:

$$AI_2O_3 + 3 H_2SO_4 \xrightarrow{f^\circ C} AI_2(SO_4)_3 + 3 H_2O$$
$$AI_2O_3 + 6 H^+ + 3 SO_4 \stackrel{//}{\longrightarrow} 2 AI^{+++} + 6 SO_4 \stackrel{//}{\longrightarrow} 3 H_2O$$

A *spectator ion* is an ion that exists as a reactant and a product in a chemical equation.

Therefore, in this reaction there is 1 spactator ion - SO_4 ^{//}.

Answer provided by AssignmentExpert.com