

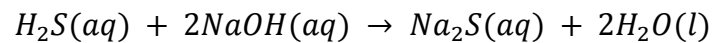
Answer on Question #55296 - Chemistry – General Chemistry

Question

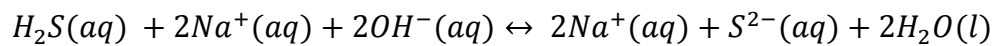
Write a net ionic equation for the overall reaction that occurs when aqueous solutions of hydrosulfuric acid (H₂S) and sodium hydroxide are combined. Include states.

Answer:

Reaction between hydrosulfuric acid (H₂S) and sodium hydroxide (molecular equation):



Sodium hydroxide and sodium sulfide produced are an electrolytes, and in water solution they form ions. So, the full ionic equation is:



The net ionic equation is:

