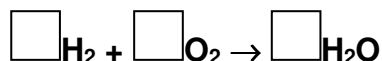




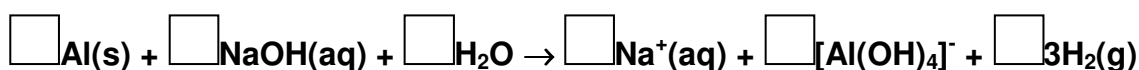
Name..... Class.....

1. Hydrogen (H<sub>2</sub>) reacts with oxygen (O<sub>2</sub>) to produce water according to the equation below.

Can you balance it?



2. The hydrogen is produced by reacting aluminium (Al) reacts with sodium hydroxide (NaOH). The reaction equation is shown below. Can you balance it?



3. Aluminium reacts with oxygen in the air to produce unreactive aluminium oxide (Al<sub>2</sub>O<sub>3</sub>).

Therefore, why is there a delay before the aluminium starts to react with the sodium hydroxide.....

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.....

4. Give two other methods for producing hydrogen.

a. ....  
.....

b. ....  
.....

5. Complete the table overleaf giving the advantages and disadvantages of using hydrogen as a fuel.



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