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**Mission to Mars Related Questions**

- *What materials exist on Mars?*
- *How can we identify and use the resources on Mars to help to support the needs of a human colony on the planet?*

**Graded Assignment 2 :**

1. Read the Powerpoint on Hydrogen and Oxygen
2. Answer the related questions below. **Make sure to answer in complete sentences.**

Question	Answer
A. What can hydrogen be used for?	
B. Why is oxygen important to humans?	
C. What is the chemical formula of water?	
D. What is the ratio of hydrogen and oxygen in a water molecule?	

<p>E. Why can't water be separated into hydrogen and oxygen by physical means?</p>	
<p>I. Why are the negative oxygen atoms attracted to the positive electrode?</p>	
<p>F. What two things do you get as a result of electrolysis?</p>	
<p>G. How could the two elements left after electrolysis be useful to humans on Mars?</p>	