

Hydrogen Encyclopedia Article

Hydrogen

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Contents

| | |
|--|-------------------|
| Hydrogen Encyclopedia Article..... | 1 |
| Contents..... | 2 |
| Hydrogen..... | 3 |

Hydrogen

The lightest of all chemical elements, hydrogen has a density about one-fourteenth that of air. It has a number of special chemical and physical properties. For example, hydrogen has the second lowest boiling and freezing points of all elements. The **combustion** of hydrogen produces large quantities of heat, with water as the only waste product. From an environmental standpoint, this fact makes hydrogen a highly desirable fuel. Many scientists foresee the day when hydrogen will replace **fossil fuels** as our most important source of energy.