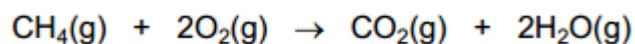


### Answer on Question #48486 – Chemistry – Organic Chemistry

**Question:**

A gas having only one carbon atom in its molecule is collected by the downward displacement of water. It burns with a blue flame and the resulting gas turns lime water milky. Name the gas and state its two properties based on the above observation . Write the chemical equation of the reaction when it burns in air.

**Answer:**



A gas is CH<sub>4</sub>, named methane.

<https://www.AssignmentExpert.com>