**Molecular mass**

**­**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Molecule** | **NC** | **NH** | **NO** | **mass(g)** |
| Hydrogen |  |  |  |  |
| Methane |  |  |  |  |
| Propane |  |  |  |  |
| Ethanol |  |  |  |  |
| Octane |  |  |  |  |

**Chemical reaction**

Hydrogen:

Methane:

Propane:

Ethanol:

Octane:

**Energy content**

|  |  |  |  |
| --- | --- | --- | --- |
| **Molecule** | **Energy (eV/molecule)** | **Energy (J/g)** | **Energy (cal/g)** |
| Hydrogen |  |  |  |
| Methane |  |  |  |
| Propane |  |  |  |
| Ethanol |  |  |  |
| Octane |  |  |  |