The first ionisation energies of successive elements in the periodic table

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| --- | --- | --- |
| Element | Atomic number | First ionisation energy/kJ mol–1 |
| Hydrogen  Helium | 1   2 | 1312  2372 |
| Lithium  Beryllium  Boron  Carbon  Nitrogen  Oxygen  Fluorine  Neon | 3   4   5   6   7   8   9  10 | 520   900   801  1086  1402  1314  1681  2081 |
| Sodium  Magnesium  Aluminium  Silicon  Phosphorus  Sulfur  Chlorine  Argon | 11  12  13  14  15  16  17  18 | 496   738   578   789  1012  1000  1251  1521 |
| Potassium  Calcium | 19  20 | 419   590 |