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| --- | --- | --- | --- |
| Celestial object | g at the surface (N/kg) | Mass (kg) | Weight (N) = m × g |
| Mercury | 3.7 |  |  |
| Venus | 8.9 |  |  |
| Earth | 9.8 |  |  |
| (Moon) | 1.6 |  |  |
| Mars | 3.7 |  |  |
| Jupiter | 23 |  |  |
| Saturn | 9.0 |  |  |
| Uranus | 8.7 |  |  |
| Neptune | 11 |  |  |
| (pluto) | 4.2 |  |  |
| (Sun) | 270 |  |  |

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