Astronomy- Unit 8 – PLANETS CHART

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of Planet** | Discovery Date | Size compared to Earth (Diameter) | Distance from Sun (MILES) | Ability to support life | Atmosphere features | Surface Features (Rocky or Gas) | Number of Moons | Your Weight on this planet | Length of day | Length of Year | Other Special Features (nicknames) |
| **Mercury** | 265 BC | 4,504 km(1/3 earth) | 35.98 million miles | Very little | Helium, hydrogen | Rocky | 0 | 0.38 | 58 earth days | 88 days | God of Messenger |
| **Venus** | Unknown | 7520.8 miles(About the same) | 67.24 million miles | Poor | Carbon dioxide and sulfuric acid | Smooth, lots of earth like features | NONE | 0.91 | 116 earth days | 225 days | Morning star, EARTH’S SISTER |
| **Earth** | XXX | It is Earth7,917.5 miles | 93,000,000 miles | Yes, we’re here! | 78% Nitrogen21% Oxygen | ROCKY (Water, mtns,, oceans,  | 1 |  | 24 hours | 365.25 days | Weather, atmosphere |
| **Mars** | 1659 | 4220 km (a little over half) | 141.6 million miles | Possible  | 95% carbon dioxide, nitrogen | Glaciers, storms | 2 | 0.38 | 24.5 hours  | 687 earth days | IRON (why its red) Tallest volcano and largest crater |
| **Jupiter** | 1610  | 11 times the size(88,695 miles) | 483 million miles | Nope | Hydrogen and helium | Gas, storms | 67 |  2.36 | 10 hours | 12 earth years | Storm spot, biggest planet |
| **Saturn** | 1610 | 9.5 times bigger (120,536 km) | 890.7 million miles | Nope | Hydrogen and helium | Very gassy (gross) | 62 | 0.91 | 10.5 hours | 29.5 earth years | Gas giant, pretty rings (ALL THE SINGLE LADIES) |
| **Uranus** | 1781 | 4 times bigger(51,118 km) | 1.787 billion miles | Nope | Hydrogen and helium | Gassy | 27 | 0.89 | 17 hours | 84 earth years | Ice planet, has rings, rocky core |
| **Neptune** | 1846 | 49,500 km (3.9 Earth) | 2.795 billion miles | Nope | Hydrogen and helium | WINDS ARE CRAZY, not solid | 13 | 1.12 | 16 hours | 165 earth years | Solid core, named after the God Neptune, Blue |

Planet WebQuest

You and your group will need to investigate your Planet to find the information to put in your chart! You will also need to complete a double bubble comparing your planet to Earth. You group will also be in charge of presenting your planet to the class at the end of the period! You can look on Ms. Dudek’s website for helpful websites to help you along!

