|  |  |
| --- | --- |
| **Period of rotation:** 59 days  **Period of revolution:** 88 days  **Distance from Sun:** 0.39 AU  **Number of moons:** 0  **Atmosphere:** None  **Surface:**   * Impact craters cover the surface. * There are smooth plains of solidified lava. * There is no erosion due to no atmosphere, so the formations have not changed. |  |
| **Period of rotation:** 244 days  **Period of revolution:** 225 days  **Distance from Sun:** 0.72 AU  **Number of moons:** 0  **Atmosphere:**   * 97% Carbon Dioxide * 90 times greater than Earth’s * Has a think layer of acid clouds   **Surface:**   * 80% covered by solidified lava * Radar shows volcanoes on the surface |  |
| **Period of rotation:** 24 hours  **Period of revolution:** 365 days  **Distance from Sun:** 1.00 AU  **Number of moons:** 1  **Atmosphere:**   * Has a mixture of gases * Greenhouse effect increases surface temperature * Absorbs Sun’s radiation   **Surface:**   * Only planet with liquid water * Moderate temperatures and water supports life |  |
| **Period of rotation:** 24.6 hours  **Period of revolution:** 1.88 years  **Distance from Sun:** 1.52 AU  **Number of moons:** 2  **Atmosphere:**   * 95% carbon dioxide * Very thin * Winds create dust storms   **Surface:**   * Reddish due to soil containing iron oxide * Holds the largest known mountain * Has Polar Ice Caps of frozen carbon dioxide and water |  |
| **Period of rotation:** 9.9 hours  **Period of revolution:** 11.9 years  **Distance from Sun:** 5.20 AU  **Number of moons:** 67  **Atmosphere:**   * 90% hydrogen 10% helium * Has layers of dense colorful clouds * Has the Great Red Spot   **Surface:**   * Outer layer is gas and inner layer is liquid * Due to fast rotations, clouds look like bands around planet |  |
| **Period of rotation:** 10.6 hours  **Period of revolution:** 29.7 years  **Distance from Sun:** 9.6 AU  **Number of moons:** 60  **Atmosphere:**   * Made of mostly hydrogen and helium * Has a ring system made of particles of ice   **Surface:**   * Outer gas layer, liquid inner layer, and a solid core |  |
| **Period of rotation:** 17.4 hours  **Period of revolution:** 84.3 years  **Distance from Sun:** 19.2 AU  **Number of moons:** 27  **Atmosphere:**   * Mostly hydrogen and helium * Small amount of methane * There are narrow dark rings   **Surface:**   * Thick slushy layer of water, and ammonia * Might have solid core |  |
| **Period of rotation:** 16.1 hours  **Period of revolution:** 165.2 years  **Distance from Sun:** 30.1 AU  **Number of moons:** 13  **Atmosphere:**   * Mostly hydrogen helium * Traces of methane * Faint dark rings   **Surface:**   * Partially frozen water and ammonia with solid core |  |