1. **Complete the following chart based on the information gained from presentations and/or class notes.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **location from the sun** | **size** | **special features** |
| **Mercury** | **Closest** | **Smallest (since Pluto was demoted)** | * **Greatest temperature extremes**
* **Fastest orbit**
* **No substantial atmosphere**
 |
| **Venus** | **2nd closest** | **3rd smallest** | * **Hottest planet**
* **Atmosphere made of sulfuric acid**
* **Similar to Earth in size**
 |
| **Earth** | **3rd closest** | **4th smallest**  | * **Only planet with liquid water and life that we know of**
* **Most dense planet**
* **1 natural satellite (Moon)**
 |
| **Mars** | **4th closest** | **2nd smallest** | * **2nd most varied terrain**
* **Largest Volcano – Olympus Mons**
* **Oxidized atmosphere – looks like rust**
* **2 Moons (Phobos / Deimos)**
* **Polar Ice Caps**
 |
| **Jupiter** | **5th closest** | **Largest Planet - “King of the planets”****GAS GIANT** | * **Great Red Spot – a cyclonic storm**
* **Small, faint rings**
* **Most moons of any planet**
 |
| **Saturn** | **6th closest** | **2nd Largest Planet****GAS GIANT** | * **Ring System made of ice covered rocks**
* **Least Dense**
 |
| **Uranus** | **7th closest** | **3rd Largest Planet****GAS GIANT** | * **Appears blue**
* **Ring system of about 11 rings**
* **Nearly horizontal axis**
 |
| **Neptune** | **8th closest** | **4th Largest****GAS GIANT** | * **Blue in color**
* **Great Dark Spot**
* **Fastest winds**
 |
| **Pluto ( DWARF planet)** | **Furthest** | **Dwarf planet** | * **3 moons: Charon, Hydra, Nix**
* **Binary system: Pluto and Charon orbit around a common point**
* **Elliptical orbit**
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