1. **Mercury**
   * Category: Terrestrial Planet
   * Discovery Date: Known since ancient times
   * Description: The smallest planet in the Solar System and the closest to the Sun. It has a cratered surface and no atmosphere to support life as we know it.
2. **Venus**
   * Category: Terrestrial Planet
   * Discovery Date: Known since ancient times
   * Description: Second planet from the Sun, with a toxic atmosphere and surface temperatures hot enough to melt lead. It is similar in structure to Earth but is much hotter and more hostile.
3. **Earth**
   * Category: Terrestrial Planet
   * Discovery Date: Known since ancient times
   * Description: The third planet from the Sun and the only one known to support life. It has a diverse environment and climates, with a protective atmosphere and liquid water.
4. **Mars**
   * Category: Terrestrial Planet
   * Discovery Date: Known since ancient times
   * Description: The fourth planet from the Sun, often called the Red Planet due to its reddish appearance. It has the largest volcano and canyon in the Solar System, and there is evidence that it once had liquid water.
5. **Jupiter**
   * Category: Gas Giant
   * Discovery Date: Known since ancient times
   * Description: The largest planet in the Solar System, with a massive atmosphere, famous for its Great Red Spot, a giant storm. It has a multitude of moons and a faint ring system.
6. **Saturn**
   * Category: Gas Giant
   * Discovery Date: Known since ancient times
   * Description: The second-largest planet in the Solar System, distinguished by its extensive and bright ring system. It is a gas giant like Jupiter, with a multitude of moons.
7. **Uranus**
   * Category: Ice Giant
   * Discovery Date: 1781-03-13
   * Description: Discovered by William Herschel, Uranus is unique for its tilted rotation axis. It is an ice giant with a blue-green color due to methane in its atmosphere.
8. **Neptune**
   * Category: Ice Giant
   * Discovery Date: 1846-09-23
   * Description: The farthest known planet from the Sun in the Solar System, discovered by Johann Galle. It is a dark, cold, and windy ice giant, with a striking blue color.
9. **Ceres**
   * Category: Dwarf Planet
   * Discovery Date: 1801-01-01
   * Description: The largest object in the asteroid belt between Mars and Jupiter. Ceres was reclassified as a dwarf planet due to its spherical shape and is the only dwarf planet located in the inner Solar System.
10. **Makemake**
    * Category: Dwarf Planet
    * Discovery Date: 2005-03-31
    * Description: A dwarf planet located in the Kuiper belt. It is one of the largest known trans-Neptunian objects and is named after the creator deity of the Rapa Nui people of Easter Island.
11. **Eris**
    * Category: Dwarf Planet
    * Discovery Date: 2005-01-05
    * Description: The most massive dwarf planet in the Solar System, Eris is located in the scattered disc, a distant region of the Solar System. Its discovery led to the reclassification of Pluto as a dwarf planet.