

Name \_\_\_\_\_

# DISCOVERING NEW PLANETS

**Directions:** Read the information below, searching for the planet that you believe may be the most suitable for human life.

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune
Mass ( $10^{24}$ kg)	0.330	4.87	5.97	0.642	1898	568	86.8	102
Distance from the Sun ( $10^6$ km)	57.9	108.2	149.6	227.9	778.6	1433.5	2872.5	4495.1
Length of Day (in hours)	422.6	2802.0	24.0	24.7	9.9	10.7	17.2	16.1
Gravity ( $m/s^2$ )	3.7	8.9	9.8	3.7	23.1	9.0	8.7	11.0
Length of Year (days)	88.0	224.7	265.2	687	4331	10,747	30,589	90,560
Average Temperature (in degrees Celsius)	167	464	15	-65	-110	-140	-195	-200
Number of Moons	0	0	1	2	67	62	27	14
Features	<ul style="list-style-type: none"> <li>Craters</li> <li>Has magnetic tornadoes</li> <li>Has volcanoes</li> <li>Daily temperature has a range of over 1,000 degrees C.</li> </ul>	<ul style="list-style-type: none"> <li>Closest distance to Earth</li> <li>Has volcanoes and mountains</li> <li>Temperatures hot enough to melt lead</li> </ul>	<ul style="list-style-type: none"> <li>5th largest planet</li> <li>Only known planet with life</li> <li>Axis tilted at about 23.5 degrees</li> </ul>	<ul style="list-style-type: none"> <li>Has volcanoes and craters</li> <li>Dust storms</li> <li>Tilted axis allows it to have seasons</li> </ul>	<ul style="list-style-type: none"> <li>No consistent magnetic field</li> <li>Water cannot stay liquid</li> </ul>	<ul style="list-style-type: none"> <li>Surrounded by clouds made from ammonia and water</li> <li>Surface is made up of hydrogen and helium (like the sun)</li> <li>Axis is tilted like Earth, so it experiences seasons</li> </ul>	<ul style="list-style-type: none"> <li>Axis tilted at about a 90° angle</li> <li>Rotates in the opposite direction of Earth</li> <li>Most of the surface is liquid</li> </ul>	<ul style="list-style-type: none"> <li>Made up of hydrogen and helium</li> <li>Magnetic field is 27 times stronger than Earth's</li> <li>Geysers that shoot ice several miles into the sky</li> </ul>