All About the Solar System
Unit Test

Name_________________________ Date: ________________

Part 1: Fill in the Blank. Fill in the blank with the correct word from the word bank.

<table>
<thead>
<tr>
<th>Nuclear Fusion</th>
<th>Milky Way Galaxy</th>
<th>Heliocentric</th>
<th>Outer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two</td>
<td>Core</td>
<td>Nine</td>
<td>Total</td>
</tr>
</tbody>
</table>

1) The Solar System is made up of ____________ planets.

2) We live in the _______________________________

3) Neptune is an ________________ planet.

4) Sunlight is the result of ____________________________

5) The ______________________ Theory is the theory that the Sun is the center of the Solar System.

6) There is about __________ inches of dust on the surface of the Moon.

7) A ____________ eclipse is when the Sun is completely covered by the Moon.

8) The center of an object is called the ________________.
Part 2: Circle the correct answer.

1) The fourth planet is:
   A. Earth
   B. Pluto
   C. Mars
   D. Venus

2) Moons are also called:
   A. Natural Satellites
   B. Dwarf Planets
   C. Constellations
   D. Comets

3) The Hubble Telescope is expected to stay in orbit for:
   A. 100 years
   B. 15 years
   C. 20 years
   D. 5 years

4) The first person to walk on the Moon was:
   A. John Glenn
   B. Alan Shepherd
   C. Yuri Gagarin
   D. Neil Armstrong

5) The telescope was invented by:
   A. Sir Isaac Newton
   B. Hans Lippershey
   C. Galileo Galilei
   D. Michael Collins

6) A group of stars that form a recognizable pattern is called a:
   A. Meteoroid
   B. Sunspot
   C. Galaxy
   D. Constellation
7) The number of dwarf planets in the Solar System is:
   A. 2
   B. 5
   C. 1
   D. 9

8) The center of the Solar System is the:
   A. Moon
   B. Earth
   C. Milky Way Galaxy
   D. Sun

Part 3: Which Astronomer Is It? Read through each statement. If it refers to Galileo Galilei, write a “G”. If it refers to Nicolaus Copernicus, write “C”. If it refers to Sir Isaac Newton, write “N”.

1) I was born in Woolsthorpe, England. _____

2) I developed the Heliocentric Theory. _____

3) I discovered that the Moon has craters. _____

4) I discovered gravity. _____

5) I explained that the stars moved because of the Earth. _____

6) I experimented a lot and developed the “Scientific Method”. _____

7) I stated that an object in motion tends to stay in motion. _____

8) I am sometimes called the “Father of Modern Astronomy”. _____
Part 4: True or False. Read through each statement. Write “T” for true. Write “F” for false.

1) _____ Ursa Minor is also called the “Little Dipper.”
2) _____ There are six different types of stars.
3) _____ Pluto is considered a dwarf star.
4) _____ Lunar eclipses last longer than solar eclipses.
5) _____ Radiation from the Sun escapes through the photosphere.
6) _____ Nebula is the term used to describe the death of a star.
7) _____ The Moon does not emit light.
8) _____ The “Gas Giants” are the planets closest to the Sun.

Part 5: Short Answer. Answer each question.

1) What is gravitational pull?
   
   ______________________________________________________________________

2) What is a supernova?
   
   ______________________________________________________________________

3) Explain the difference between a solar eclipse and a lunar eclipse.
   
   ______________________________________________________________________
**Part 6: Inner or Outer?** Read through each fact and write it in the correct column.

<table>
<thead>
<tr>
<th>Smaller in size</th>
<th>Have many moons</th>
<th>Spin slower</th>
</tr>
</thead>
<tbody>
<tr>
<td>Made mostly of gas</td>
<td>Solid, rocky surfaces</td>
<td>Orbit the Sun slower</td>
</tr>
<tr>
<td>Orbit the Sun quicker</td>
<td>Jupiter</td>
<td>Known by ancient astronomers</td>
</tr>
<tr>
<td>Do not have rings</td>
<td>Spin faster</td>
<td>Larger in size</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inner Planets</th>
<th>Outer Planets</th>
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**Extra Credit: Phases of the Moon.** Draw and label three phases of the Moon.