

All About the Solar System

Unit Test

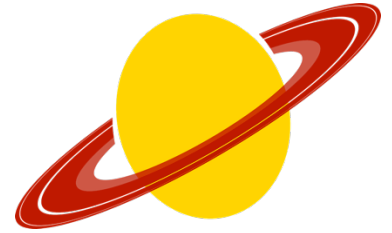


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Name _____ Date: _____

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

Nuclear Fusion	Milky Way Galaxy	Heliocentric	Outer
Two	Core	Nine	Total

- 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

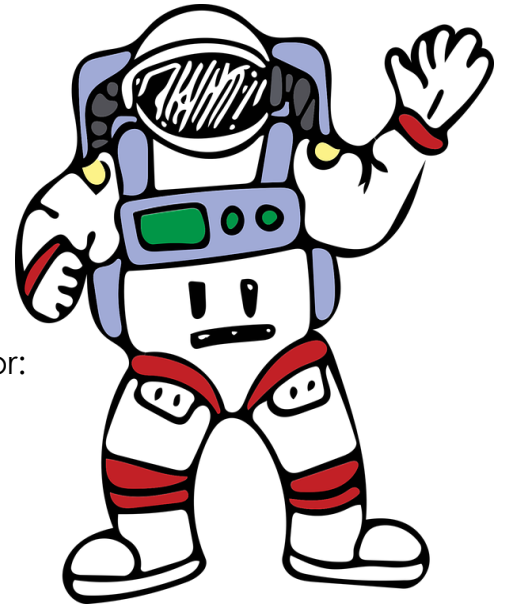


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7) The number of dwarf planets in the Solar System is:

- 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



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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.



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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.*

Smaller in size	Have many moons	Spin slower
Made mostly of gas	Solid, rocky surfaces	Orbit the Sun slower
Orbit the Sun quicker	Jupiter	Known by ancient astronomers
Do not have rings	Spin faster	Larger in size

Inner Planets	Outer Planets



Extra Credit: Phases of the Moon. *Draw and label three phases of the Moon.*

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