

Name _____

Date _____

Planet Test Study Guide

*Record the following characteristics for each Inner Planet below. They are out of order.
Do not just write the letter only.*

Earth

Venus

Mercury

Mars

Characteristics:

A. 70% water	J. Once called Earth's Twin
B. NASA's Spirit and Opportunity rovers explored opposite sides of the planet	K. Air pressure 90 times Earth's
C. Smallest planet, weakest gravity	L. Scientists think that it once had water
D. Rotates so slowly that it's day is longer than it's year	M. Life sustaining atmosphere
E. Red planet	N. Carbon Dioxide Atmosphere
F. Greatest range in temperatures	O. One moon
F 2 . Reddish color is due to the breakdown of iron-rich rocks.	V. Volcanic Surface
G. Rains sulfuric acid	Q. Retrograde motion (rotates from east to west)
H. Two polar ice caps, which contain frozen water and carbon dioxide	R. Earth's new twin S. Hottest Planet in Solar System
I. Closest to the sun	T. Water in a solid, liquid, and gas

Use the following bank to complete the Venn Diagram on the next page. Record the statement not just the letter. If you run out of room, you may write on the second diagram that is included.

- a. Separated by asteroid belt
- b. No solid surface to land on
- c. Gas Giants = Much larger than inner planets and Gaseous
- d. Dense, solid, and rocky
- e. All have atmosphere Mercury is very thin
- f. **Jovian** Planets any of the four outermost planets in the solar system; much larger than Earth and gaseous in nature (like Jupiter).
- g. Comply with IAU International Astronomical Union
- h. Terrestrial
- i. Rotate on axis
- j. High Air pressure
- k. Core
- l. No Rings
- m. Within the asteroid Belt
- n. Each Have 4 Planets
- o. Composed of Hydrogen and Helium like the Sun
- p. Warmer
- q. All have Rings
- r. Faster Orbit (due to shorter distance)
- s. All Have Moons
- t. Shorter years

List the memory strategy that you use for remembering the planets below then list the planets.

Sun, (memory strategy)

Sun, (planets)

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Asteroid Belt ----- Asteroid Belt-----Asteroid Belt-----

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