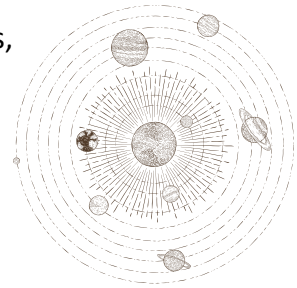




# SCIENCE

## Moon Exploration Assignment

1) Research the moons of the rocky, inner planets and those of the gaseous, outer planets. Then, answer the questions below.



a) How do the moons of the inner planets differ in number to those of the outer planets? Compare the number of moons orbiting Mars to the number orbiting Jupiter.

b) Compare the theory of the formation of Earth's moon to the theory of the formation of Jupiter's Galilean moons.

c) Which moon in our solar system is believed to have liquid water? What would the discovery of liquid water on this moon indicate about it?

d) What is the name of the largest moon of Pluto, a dwarf planet? How is its relationship with Pluto different from other moons and their planets within our solar system?

2) Research Triton, one of Neptune's moons. Use the information to write a short biography about Triton in complete sentences. Write your answer in complete sentences. Include the answers to these questions in your response:



- a) What is its surface like?
- b) What is the origin of its name?
- c) How does its size compare to Neptune's other moons?
- d) Which unusual feature is on its surface?
- e) What is its surface temperature like?
- f) What is the theory of its origin as one of Neptune's moons?
- g) What is the evidence for its origin?
- h) What is its fate?