NOTE:

This document contains both the pre- and post- test and the pages are labeled accordingly.
The Revolution of the Moons of Jupiter
Pre-test

Name ____________________ Date _______________________
Graduation Date ________________ Major ________________

1. What important property of a planet do we learn by studying its moons?

2. Below is a graph plotting the distance of a moon from the planet versus time.

![Graph](image)

a. What is the period of the moon?

b. What is the radius of its orbit?

3. Moon A is 1 J.D. from Jupiter and goes around in 1 day. Moon B is 4 J.D. from Jupiter. What is the period of Moon B?

   a. 8 days
   b. 12 days
   c. 4 days
   d. cannot be determined
4. Below is a top-view diagram of the Jupiter and its moons. Draw a diagram illustrating how the moons would appear through a telescope when being viewed from Earth?

![Diagram of Jupiter and Moons](image)

View through a telescope from Earth.

Draw your diagram in the space provided.

5. Which of the moons of Jupiter moves the fastest?
   a. Io
   b. Ganymede
   c. Callisto
   d. Europa
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