

## The Planets - Gas Giants

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. What were the initial challenges for a visit to the gas giants? How were they resolved?
2. Why does Jupiter put out more energy than it receives from the sun?
3. What are the differences between the many moons of Jupiter? Propose a solar system analogy.
4. Explain Saturn's rings.
5. How were the spokes of Saturn resolved in the Voyager mission?
6. What is surprising about Uranus? Why?
7. What was surprising about Neptune?
8. What will finally happen to Voyager? Why is it important?

## **DVD Contents**

Gas Giants (Total Time: 44:32)

Track 1 - Dream of Flight (2:40)

Track 2 - Planets Align (6:22)

Track 3 - Testing the Way (3:15)

Track 4 - First Encounters (3:40)

Track 5 - Jupiter's Moons (4:42)

Track 6 - Cassini's Rings (4:11)

Track 7 - Icy Moons (3:53)

Track 8 - Nothing to See (4:20)

Track 9 - The Outer Edge (5:01)

Track 10 - Final Encounter (2:48)

Track 11 - A New Era (3:40)