

Name: _____

Hour: _____ Date: _____

23.3 The Outer Planets (and Pluto)

Jig-Saw Questions

Jupiter: Giant among Planets

1. Describe Jupiter's mass.
2. Tell me how Jupiter rotates on its axis.
3. Describe what Jupiter looks like through a telescope.
4. Tell me about Jupiter's Great Red Spot.

Structure of Jupiter

1. Describe Jupiter's surface.
2. Describe Jupiter's core.
3. Explain what causes the light and dark bands on Jupiter.
4. What drives the winds on Jupiter?

Jupiter's Moons

1. How many moons does Jupiter have?
2. Name the four largest moons on Jupiter. Who discovered them?
3. Describe the volcanic activity on Io.
4. Why is it a big deal that Io has volcanos?

Jupiter's Rings

1. What are Jupiter's rings made of?

Saturn: The Elegant Planet

1. Tell me how Saturn is compared to Jupiter.
2. Explain how Saturn's rings were discovered.

Features of Saturn

1. Summarize the discovers made by Voyagers 1 & 2

Saturn's Rings

1. What attributes do the rings of Jupiter, Uranus, and Neptune share?

Saturn's Moons

1. How many moons does Saturn have?
2. What is Titan? Explain what makes Titan unique.
3. What is Enceladus? What makes Enceladus unique?

Uranus: The Sideways Planet

1. Describe Uranus's axis of rotation.
2. Discuss the discovery of Uranus's rings.
3. What is Miranda, and what makes it special?

Neptune: The Windy Planet

1. Describe the weather on Neptune.
2. What is Triton.
3. List three things that make Triton unique.

Pluto: Dwarf Planet

1. What isn't Pluto considered a planet?
2. What is a dwarf planet?
3. What is meant when a planet "clears its neighborhood?"
4. Name two other dwarf planets.
5. What makes Pluto unusual as a dwarf planet?

Groups:

Group 1: Giant Among Planets; Structure of Jupiter

Group 2: Jupiter's Moons; Jupiter's Rings; Saturn: The Elegant Planet

Group 3: Features of Saturn; Saturn's Rings; Saturn's Moons; Uranus: The Sideways Planet

Group 4: Neptune: The Windy Planet; Pluto: Dwarf Planet

Name: _____

Hour: _____ Date: _____

23.3 The Outer Planets (and Pluto)

Jig-Saw Activity

Jupiter

Jupiter: Giant among Planets

Structure of Jupiter

Jupiter

Jupiter's Moons

Jupiter's Rings

Saturn: The Elegant Planet

Saturn

Features of Saturn

Saturn's Rings

Saturn's Moons

Uranus: The Sideways Planet

Neptune: The Windy Planet

Pluto: Dwarf Planet