

# Solar System Study Guide

1. Name 4 things you know about Earth. Name 4 things you know about Saturn.

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2. Name the gaseous planets \_\_\_\_\_
3. Name the rocky planets \_\_\_\_\_
4. Name the dwarf planet \_\_\_\_\_

Quiz yourself over the definitions of these words:

- star—an object in space that produces its own heat and light
- Earth—the only known location of life in the solar system
- Moon—a natural satellite that orbits a planet
- Solar System—a sun and all the objects that move around it
- Orbit—the path that one object in space takes around another object in space
- Gravity—the force that pulls objects toward each other
- Asteroid belt—the group of rocks that separates the inner from the outer planets
- Planet—a large solar system object that orbits the sun
- Rotation—the spinning of an object on its axis
- Revolution—one complete trip around the sun

## IMPORTANT FACTS

- It takes ONE YEAR for the Earth to revolve around the sun.
- It takes ONE MONTH for the moon to revolve around Earth.
- It takes about ONE DAY for the Earth to rotate on its axis.
- The SUN has a gravitational pull that holds all the planets in their orbits.
- The tilt of the Earth determines the seasons.
- The sun is the center of our solar system.

Know the Moon phases: FULL MOON, NEW MOON, GIBBOUS, and CRESCENT

Know the order of the planets. ☺

# Our Outer Solar System Study Guide Answers

**Joel M. Levine, Richard T. Searles**



## **Our Outer Solar System Study Guide Answers:**

**Working Papers** National Research Council, Division on Engineering and Physical Sciences, Commission on Physical Sciences, Mathematics, and Applications, Board on Physics and Astronomy, Astronomy and Astrophysics Survey Committee, 1991-02-01 This volume contains working papers on astronomy and astrophysics prepared by 15 non National Research Council panels in areas ranging from radio astronomy to the status of the profession **The Outer Solar System** Juris Vagners, 1971 **Future Aeronautics and Space Opportunities** United States. National Aeronautics and Space Administration, 1974 **Protostars and Planets VI** Henrik Beuther, Ralf S. Klessen, Cornelis Petrus Dullemond, Thomas K. Henning, 2014-12-18 Proceedings of a conference held in Heidelberg Germany July 15 20 2013 **Study Guide** Stanley Chernicoff, 2001-08 From Edward E Chatelain Valdosta State University Georgia this study guide helps students review and master the key ideas from every chapter through labeling exercises Chapter Reviews with matching statements plus Practice Tests and Challenge Tests that consist of multiple choice true false matching and short essay questions **Study Guide for Project: Universe** Stephen P. Lattanzio, 1981 **Hubble Vision** Carolyn Collins Petersen, John C. Brandt, 1998-10-28 Discusses how the findings from the Hubble Space Telescope have affected the way scientists study the universe includes photographs that were taken by the Hubble Telescope of the planets distant galaxies black holes and the Shoemaker Levy comet **The Pale Blue Data Point** Jon Willis, 2025-10-30 A thrilling tour of Earth that shows the search for extraterrestrial life starts in our own backyard Is there life off Earth Bound by the limitations of spaceflight a growing number of astrobiologists investigate the question by studying life on our planet Astronomer and author Jon Willis shows us how it s done allowing readers to envision extraterrestrial landscapes by exploring their closest Earth analogs With Willis we dive into the Pacific Ocean from the submersible equipped E V Nautilus to ponder the uncharted seas of Saturn s and Jupiter s moons search the Australian desert for some of Earth s oldest fossils and consider the prospects for a Martian fossil hunt visit mountaintop observatories in Chile to search for the telltale twinkle of extrasolar planets and eavesdrop on dolphins in the Bahamas to imagine alien minds With investigations ranging from meteorite hunting to exoplanet detection Willis conjures up alien worlds and unthought of biological possibilities speculating what life might look like on other planets by extrapolating from what we can see on Earth our single pale blue dot as Carl Sagan famously called it or in Willis s reframing scientists pale blue data point **The Quirks & Quarks Guide to Space** Jim LeBans, 2008-11-19 For everyone who s curious about what s new under and over and around the stars Douglas Adams famously pronounced in The Hitchhiker s Guide to the Galaxy that the answer to life the universe and everything was 42 Quirks Quarks whose approach to science owes almost as much to Adams as it does to Newton or Einstein or Hawking have flipped that notion through a gap in the space time continuum or something like that and come up with answers to the 42 essential questions about space Much about the universe is very hard for most of us to grasp and if anyone can explain these mind bending aspects of the heavens

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