

Solar System Trading Cards, Jr. Edition

To use these cards:

Print out onto card stock or heavy paper.

Cut out and fold in half along dotted line;
glue or tape each card together.

FOLD



Learn more about the solar system on these Web sites:

NASA

Get the latest science about spaceflight, the universe and the planet Earth.

www.nasa.gov

Amazing Space

Student activities, lessons, fun facts and more from the Hubble Space Telescope.

amazing-space.stsci.edu

HubbleSite

Explore the Hubble Space Telescope's discoveries through images, videos and news.

hubblesite.org

The Space Science Education Resource Directory

Search by subject or grade for posters, activities and other NASA classroom materials.

teachspacescience.stsci.edu

NP-2005-9-726-GSFC (1/18)

Find more resources at amazing-space.stsci.edu


FOLD



The Sun

Solar System Trading Cards, Jr. Edition • www.nasa.gov

The Sun



The Sun is our star.

It is very hot.

The Sun is the biggest object in the solar system.

Game Question

Which planet is red?

NP-2005-9-726-GSFC (2/18)

Image taken by SOHO (NASA/ESA)

FOLD



Mercury

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Mercury



Mercury is the first planet from the Sun.

Mercury is a small, rocky planet.

It has craters and looks like our Moon.

Mercury is the planet closest to the Sun.



Game Question



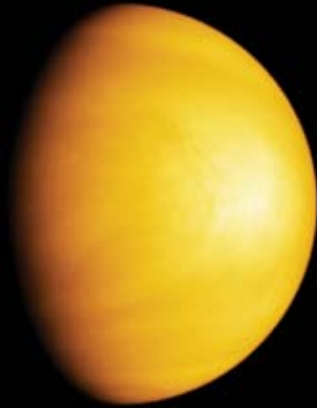
Which planet has water?



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Image taken by Mariner 10 (NASA/JPL)

FOLD



Venus

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Venus



Venus is the second planet from the Sun.

Venus is a rocky planet.

It has many clouds and it is hot.

Venus is about the same size as Earth



Game Question



Which planet has many rings?



NP-2005-9-726-GSFC (4/18)

Image taken by the Galileo spacecraft (NASA/JPL)

FOLD



Earth

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Earth



Earth is the third planet from the Sun.

Our planet, Earth has water and air.

It has one moon.

Earth is a rocky planet.



Game Question



Which planet spins on its side?



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Image taken from Terra satellite data (NASA/GSFC)

FOLD



The Moon

Solar System Trading Cards, Jr. Edition • www.nasa.gov

The Moon



The Moon travels around Earth.

The Moon is rocky and covered with dust.



Game Question



Which planet was named for the Roman god of the sea?



NP-2005-9-726-GSFC (6/18)

Image taken by Apollo 11 (NASA/NSSDC)

FOLD



Mars

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Mars



Mars is the fourth planet from the Sun.

Mars is red.

It is a rocky planet covered with dust.

Mars has two small moons.

? **Game Question** ?
Which object travels around Earth?
?

NP-2005-9-726-GSFC (7/18)

Image taken by Hubble Space Telescope (NASA/STScI)

FOLD



Asteroids

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Asteroids



Asteroids are rocks found in the solar system.

Most asteroids are found between Mars and Jupiter.

? **Game Question** ?
? What is the biggest object in the solar system? ?

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Image of Asteroid Gaspra taken by the Galileo spacecraft (NASA/JPL/USGS)

FOLD



Jupiter

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Jupiter



Jupiter is the fifth planet from the Sun.

Jupiter is the biggest planet in our solar system.

It has a big red spot.

Jupiter is made mostly of gas and has many moons.



Game Question



Which planet is closest to the Sun?



NP-2005-9-726-GSFC (9/18)

Image taken by Hubble Space Telescope (NASA/STScI)

FOLD



Solar System Trading Cards, Jr. Edition • www.nasa.gov

Saturn



Saturn is the sixth planet from the Sun.

Saturn is a big planet with many rings.

It has many moons.

Saturn is made mostly of gas.



Game Question



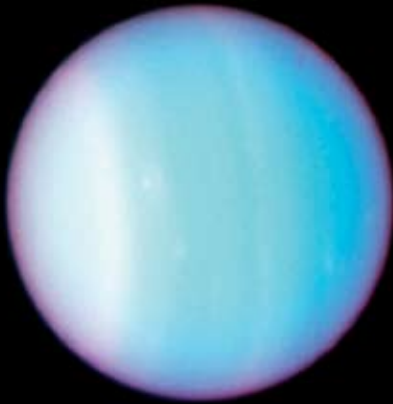
Which planet has a big red spot?



NP-2005-9-726-GSFC (10/18)

Image taken by Hubble Space Telescope (NASA/STScI)

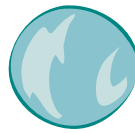
FOLD



Uranus

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Uranus



Uranus is the seventh planet from the Sun.

Uranus is a big, blue-green planet.

It spins on its side.

Uranus is made mostly of gas and has many moons.



Game Question



Which is the smallest planet?



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Image taken by Hubble Space Telescope (NASA/STScI)

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Neptune

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Neptune



Neptune is the eighth planet from the Sun.

Neptune is a big blue planet.

It is named for the Roman god of the sea.

Neptune is made mostly of gas and has many moons.



Game Question



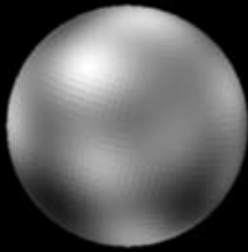
What objects are called dirty snowballs?



NP-2005-9-726-GSFC (12/18)

Image taken by Hubble Space Telescope (NASA/STScI)

FOLD



Pluto

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Pluto



Pluto is the ninth planet from the Sun.

Pluto is the smallest planet in our solar system.

It is made of ice and some rock.

Pluto has three moons.



Game Question



What rocks are found between Mars and Jupiter?



NP-2005-9-726-GSFC (13/18)

Image taken by Hubble Space Telescope (NASA/STScI)

FOLD



Comets

Solar System Trading Cards, Jr. Edition • www.nasa.gov

Comets

Comets are called dirty snowballs.



They are made of ice and dust.

When a comet comes close to the Sun, it forms a long tail.

? **Game Question** ?
? Which planet is about the same size as Earth? ?

Image of Comet Hale-Bopp © Wei-Hao Wang 1997

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Telescope Trivia: Hubble Space Telescope

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Hubble Space Telescope

- 1 The telescope is named for astronomer Edwin P. Hubble.
- 2 The telescope is about the size of a school bus.
- 3 The space shuttle Discovery put the telescope into space in 1990.
- 4 Computers on the ground control the telescope.
- 5 The telescope travels around the Earth about every 90 minutes.

Image of Hubble Space Telescope taken by space shuttle Discovery (NASA)

NP-2005-9-726-GSFC (15/18)

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Did you know?



Read this list.

How many do you know?

How did you learn the facts you know?

- 1 The solar system is made up of the Sun, planets, moons, asteroids and comets.
- 2 The Sun is the center of the solar system.
- 3 All planets travel around the Sun.

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Did you know?

- 4 Planets are not all the same size.
- 5 Some planets are made of rocks.
- 6 Some planets are made of gas.
- 7 Many planets have moons.
- 8 Spacecraft cannot land on Jupiter, Saturn, Uranus or Neptune.
- 9 Asteroids and comets are made of different stuff.
- 10 Comets do not always have a tail.

NP-2005-9-726-GSFC (16/18)

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How to Play



- 1 One person reads the statements on the “Did You Know” card aloud, to introduce the players to the solar system.
- 2 Each player gets one card.
- 3 Players silently read the information on the back of their cards.

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How to Play

- 4 The game begins when one player reads aloud the information and the question on the back of the card.
- 5 The player holding the card with the answer to that question stands and reads the information on his or her card, including the next question.
- 6 The game continues until all the cards have been read.

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