

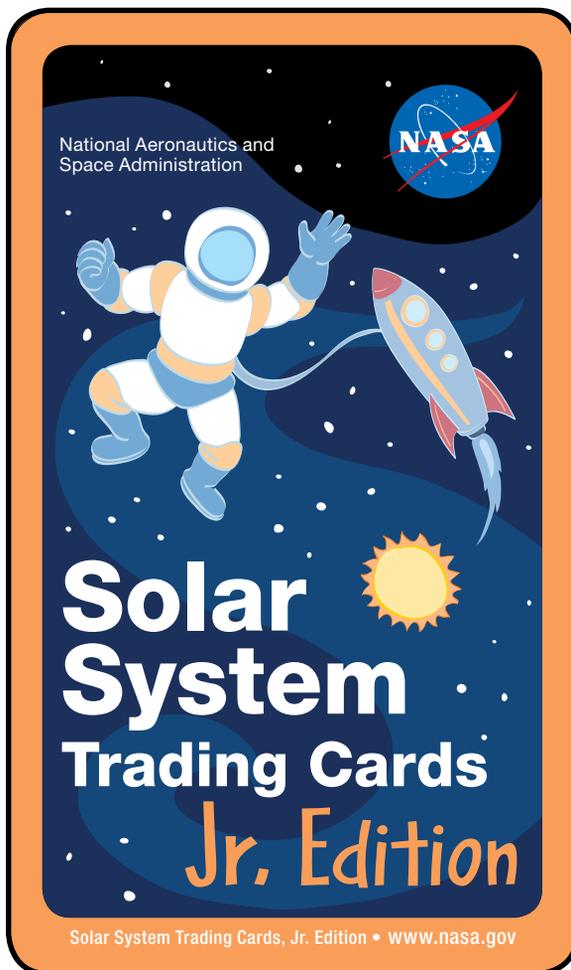
# Solar System Trading Cards, Jr. Edition

## 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](http://www.nasa.gov)

### Amazing Space

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

[amazing-space.stsci.edu](http://amazing-space.stsci.edu)

### HubbleSite

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

[hubblesite.org](http://hubblesite.org)

### The Space Science Education Resource Directory

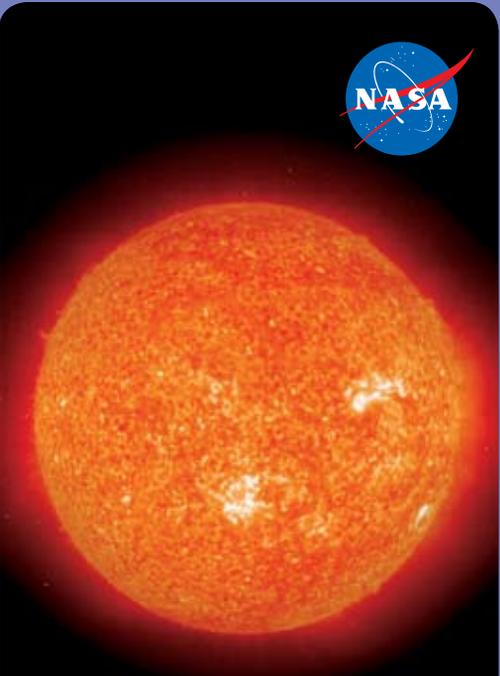
Search by subject or grade for posters, activities and other NASA classroom materials.

[teachspacescience.stsci.edu](http://teachspacescience.stsci.edu)

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Find more resources at [amazing-space.stsci.edu](http://amazing-space.stsci.edu)

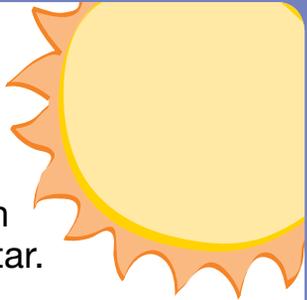
FOLD



**The Sun**

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://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?

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Image taken by SOHO (NASA/ESA)

FOLD



# Mercury

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://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



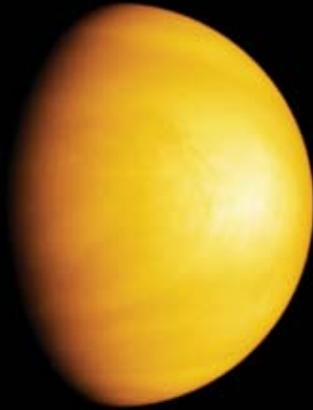
Which planet has water?



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Image taken by Mariner 10 (NASA/JPL)

FOLD



# Venus

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://www.nasa.gov)

## 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?



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Image taken by the Galileo spacecraft (NASA/JPL)

FOLD



# Earth

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://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](http://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?



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Image taken by Apollo 11 (NASA/NSSDC)

FOLD



# Mars

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://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

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://www.nasa.gov)

## 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

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://www.nasa.gov)

## 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



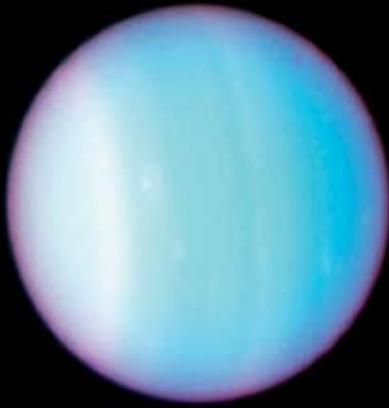
Which planet has a big red spot?



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](http://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



What dwarf planet used to be known as the ninth planet from the sun?



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Image taken by Hubble Space Telescope (NASA/STScI)

FOLD



# Neptune

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://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



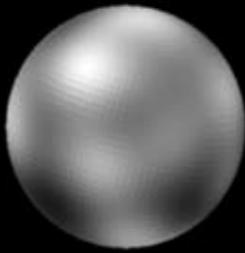
What objects are called dirty snowballs?



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](http://www.nasa.gov)

## Pluto



Pluto used to be known as the ninth planet from the sun in our solar system.

In 2006, Pluto was classified as a dwarf planet.

Pluto is made of ice and some rock, and it has five 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](http://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

NP-2005-9-726-GSFC (14/18)

FOLD



## Telescope Trivia: Hubble Space Telescope

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://www.nasa.gov)

### 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)

FOLD

## 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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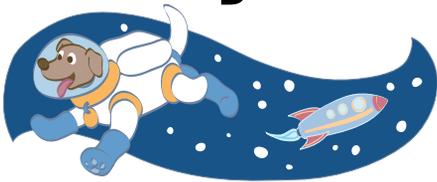
## Did you know?

- 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)

FOLD

# 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.

Solar System Trading Cards, Jr. Edition • [www.nasa.gov](http://www.nasa.gov)

# 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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