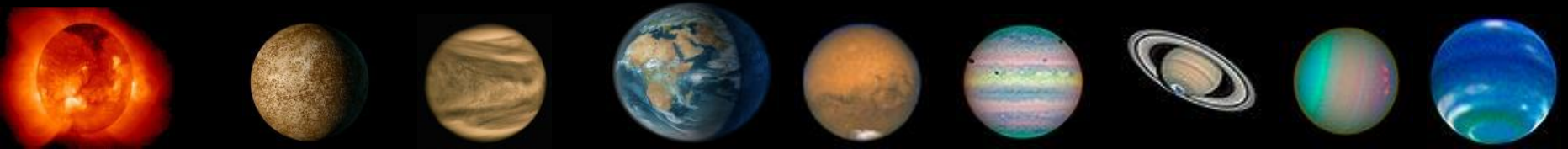


The Solar System





Texas Education Knowledge and Skills



TEKS for 6th Grade



Next



Table of Contents



Let's Get Started



Sun



Planets



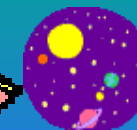
Facts About Planets



Quizzes



Test



Fun Activities



PLANETS

[Mercury](#)

[Venus](#)

[Earth](#)

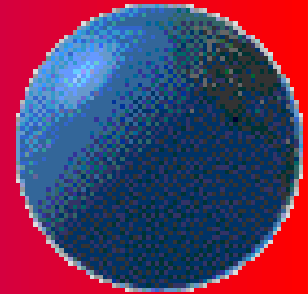
[Mars](#)

[Jupiter](#)

[Saturn](#)

[Uranus](#)

[Neptune](#)



Back to
Table of
Contents

Click on the name of a planet.

Mercury

Venus

Earth

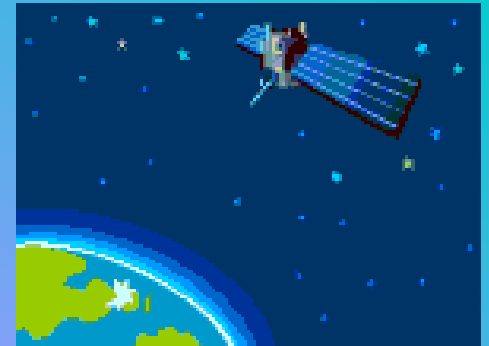
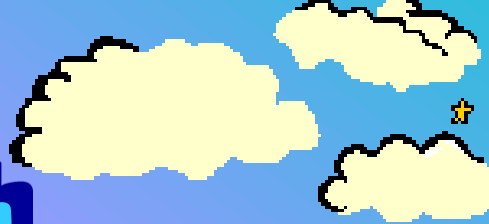
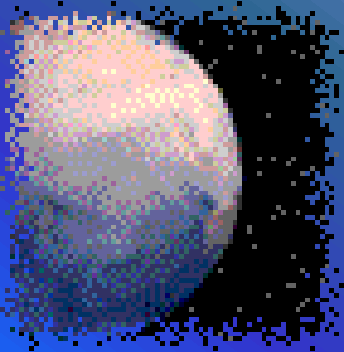
Mars

Jupiter

Saturn

Uranus

Neptune



[Back to Table
of Contents](#)

Click on the name of a planet.

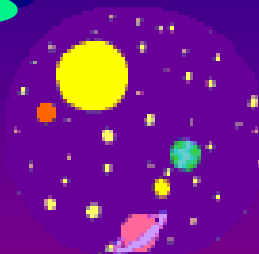
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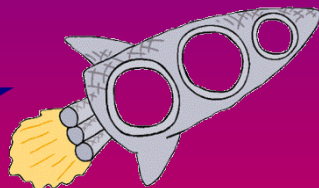


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Back to
Table of
Contents

Click on the name of a planet.

Click on an activity.

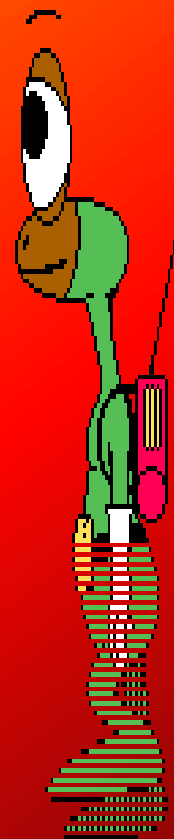
Make A Solar System



Word Search

Coloring

Matching Game



Back to
Table of
Contents

Click on the sun.



Next

- 1
- 2
- 3
- 4

Order of Planets

1. *Mercury* (closest to the sun)
2. *Venus*
3. *Earth*
4. *Mars*
5. *Jupiter*
6. *Saturn*
7. *Uranus*
8. *Neptune*



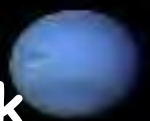
5



6



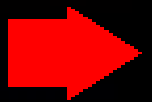
7



8



Go back



Next

A Way to Remember the Planets

My (Mercury)

Very (Venus)

Educated (Earth)

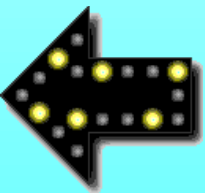
Mother (Mars)

Just (Jupiter)

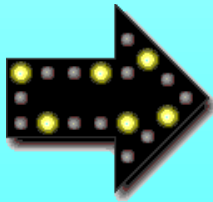
Served (Saturn)

Us (Uranus)

Nachos (Neptune)



Look back at planets...



Go on...

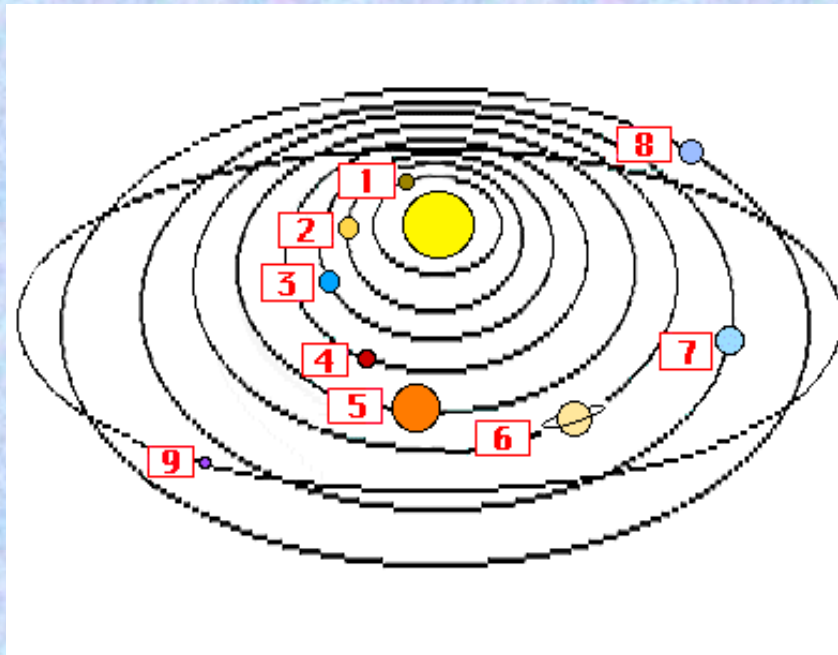
Where, Oh Where Does That Little Planet Go?

Each of the nine planets orbits around the Sun in a very special way and in a very special place. Your job is to decide which planet goes into what orbit on the solar system map below. Each orbit pattern is numbered 1 through 9. Click on the solar system map and put the number of the orbit pattern that belongs to each planet in the box under the planet's name. After you have matched the planets with their orbits, check to see if each planet is in its right home.

Remember:

For 20 of every 248 years, the planet with orbit number 8 is actually farther away from the Sun than the planet with orbit number 9! But don't let that confuse you!

Click on the
solar system.

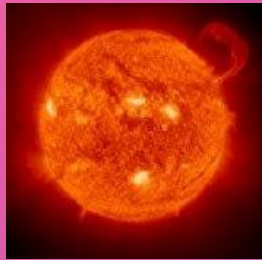


Go back



Next

Directions: Choose a picture and read about it and take an online quiz about it when you have finished reading! When you are done, click your mouse on the quiz. Submit your quiz and your score will be given to you.



Sun



Mercury



Venus



Earth



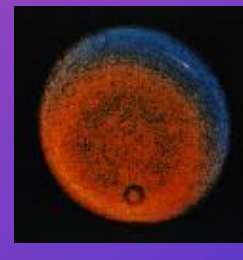
Mars



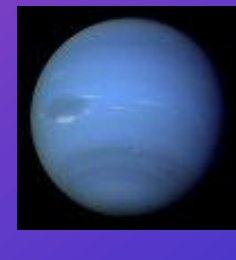
Jupiter



Saturn



Uranus



Neptune



Go back



Next

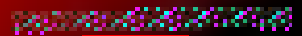
Sun



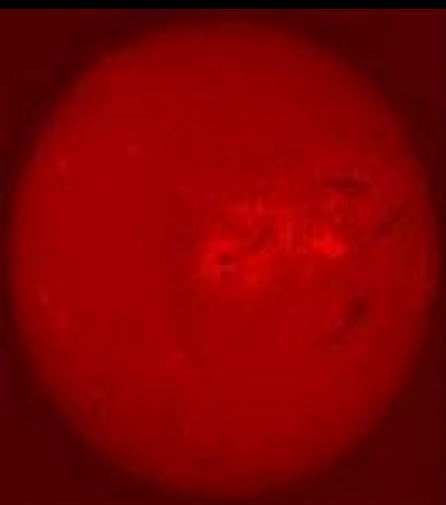
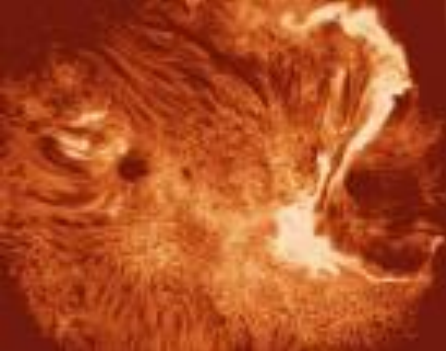
Go back



Click for a pic.



Next



Next



Facts About the Sun



The Sun, the star at the center of our solar system, gives off the light and heat that make life possible on Earth.



The Sun is a huge ball of very hot gas, and is much bigger than any of the planets.



All the planets in the solar system revolve in the same direction around the Sun.



Never look directly at the Sun, because it will hurt your eyes! The Sun looks yellowish from Earth.




[Go back](#)



[Next](#)

Facts cont.

 The outer layers of the Sun rotate once every 25 days (rotation is slower at the poles).

 Temperature: is about 27,000,000 F in the center, and about 10,000 F at the visible surface

 Diameter: 865,000 miles, or wider than 100 Earths

 The Sun is made up of gas, with no solid surface.



[Go back](#)



[Next](#)

Quiz About the Sun

The Sun, the a._____ at the center of our solar system, which has a temperature of b._____°F at the visible surface. The Sun is made up of c._____, with d._____. The Sun is e._____ Earths wider in diameter and rotates once in every f._____.

Directions: Click on the group of words that fit in the paragraph.

a.star

b.27,000,000

c.oxygen

d.solid surface

e.200

f.25 days

a.star

b.10,000

c.gas

d.no solid surface

e.100

f.25 days

a.planet

b.10,000

c.gas

d.no solid surface

e.100

f.25 years



Try Again



Go back



AWWW...

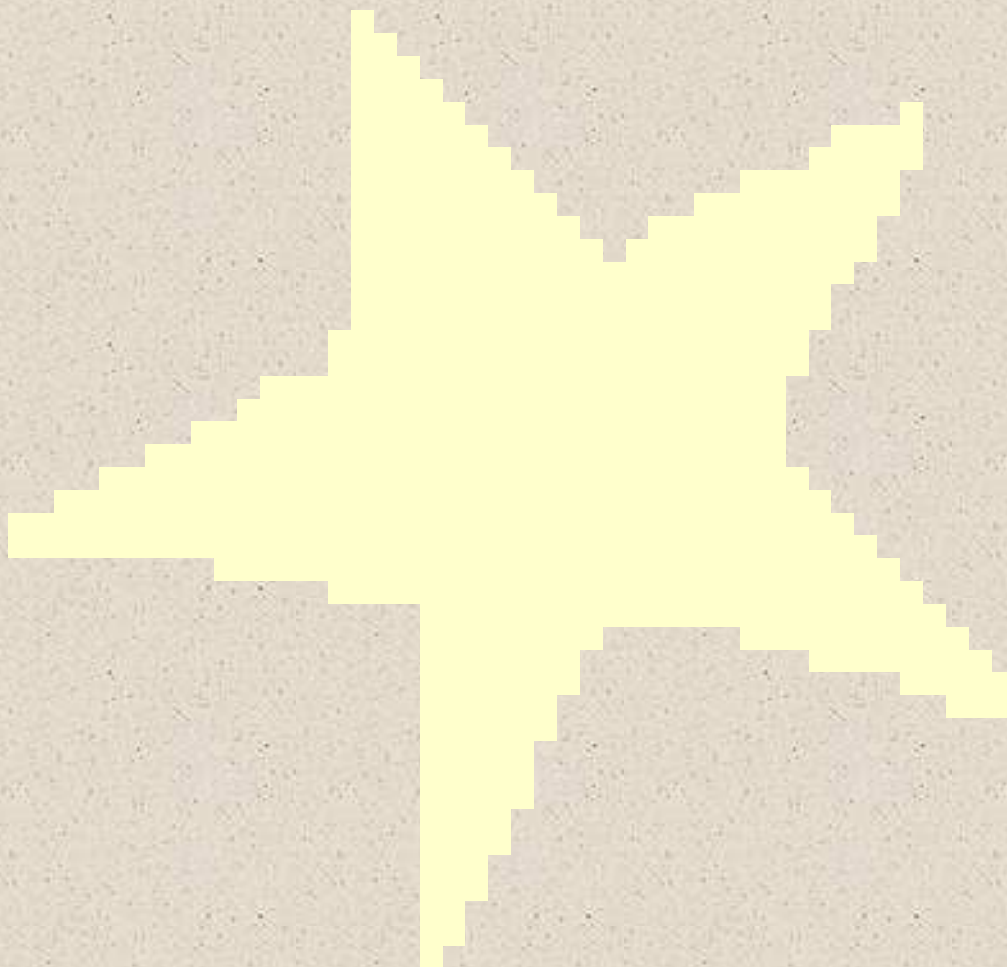
Better luck next time



[Go back](#)



End show.



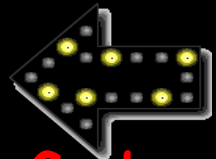
Correct

Go Back To
Table of
Contents



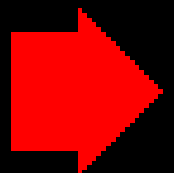
Next Planet

Mercury



Go back

Picture time







Next

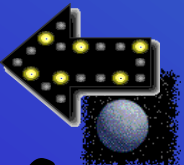
Top: 19-22-23
Left: 19-23-24
Right: 19-24-25
Bottom: 19-25-26

Next



Facts About Mercury

-  Mercury is the planet closest to the Sun. Named after the messenger of the gods. Mercury is the eighth largest planet of the solar system.
-  Its greenish surface is covered with craters made by objects that hit the planet.
-  Mercury has no atmosphere and no water, and the surface would be very unpleasant to be on.
-  The side of the planet that faces the Sun gets very hot, and the side that faces away from the Sun gets very cold.



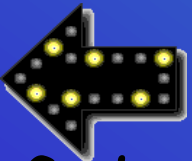
Go back



Next

Facts cont

- ☛ Mercury is a ball of rock with an iron core.
- ☛ Distance from Sun: 36,000,000 miles
- ☛ Diameter: 3,032 miles or about 1/3 that of Earth
- ☛ Number of moons: 0
- ☛ Length of year: 88 Earth days
- ☛ Length of one day: 59 Earth days
- ☛ Temperature: -279 F to 800 F



Go back



Next

Quiz About Mercury

Mercury is the closet planet to the a. _____, and the b. _____ largest planet. Mercury has c. _____ and d. _____. Mercury is a ball of e. _____ with a(n) f. _____ core. Mercury has g. _____ moons, and it's temperature is h. _____ *F to i. _____ *F.

Directions: Click on the group of words that fit in the paragraph.

a.sun
b.eighth
c.no atmosphere
d.no water
e.rock
f.iron
g.zero
h. -279
i.800

a.Sun
b.eighth
c.atmosphere
d.water
e.rock
f.iron
g.zero
h. -289
i.900

a.Earth
b.first
c.no atmosphere
d.no water
e.iron
f.rock
g.two
h.289
i.800



End show.



Excellent

[Back to
Table of
Contents](#)



[Next Planet](#)



Try Again



Go back



I think not...



Go back

VENUS

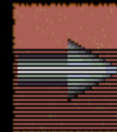
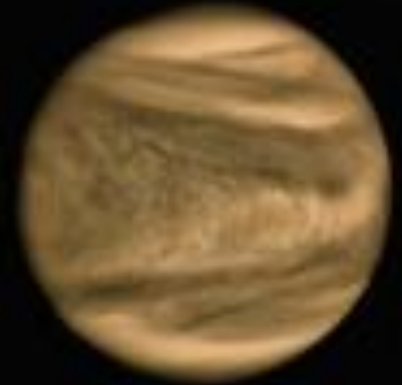


Go back

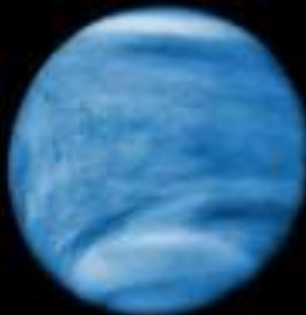
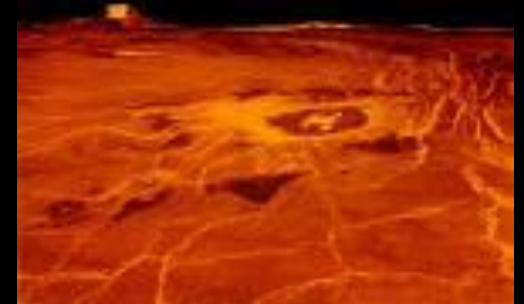


Take a pic.

Next



Next



Facts About Venus



Venus is the second planet from the Sun, and is often called Earth's sister planet. It is also named after the goddess of love and beauty.



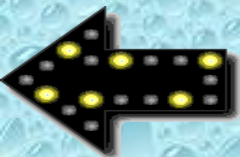
It has thick yellow clouds made of acid, and air made of carbon dioxide.



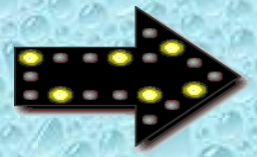
The temperature at the surface is so hot that you would burn up in a few seconds, which makes it the hottest planet.



Spacecraft that have reached the surface or can see through the clouds found lots of volcanoes, mountains, and big cracks at the surface. When viewed from the Earth, it is the brightest planet.








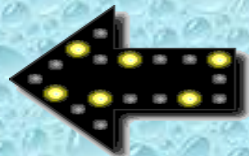
[Go back](#)



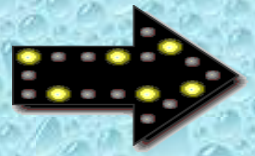
[Next](#)

Facts cont.

-  Venus is mainly made of rock, with a metal core.
-  Diameter: 7,519 miles--almost as big as Earth
-  Number of moons: 0
-  Length of year: 225 Earth days
-  Temperature: is about 890 F



Go back



Next

Quiz About Venus

Venus is the **a.** _____ planet from the **b.** _____. This planet is often called **c.** _____ sister planet and is named after the goddess of **d.** _____ and **e.** _____.

Venus is the **f.** _____ planet and its temperature is about **g.** _____ *F.

When viewed from Earth it is the **h.** _____ planet.

Directions: Click on the group of words that fit in the paragraph.

a.third

b.moon

c.Earth's

d.beauty

e.love

f.coldest

g.-890

h.brightest

a.second

b.Sun

c.Earth's

d.beauty

e.love

f.hottest

g.-890

h.brightest

a.second

b.Sun

c.Earth's

d.love

e.beauty

f.hottest

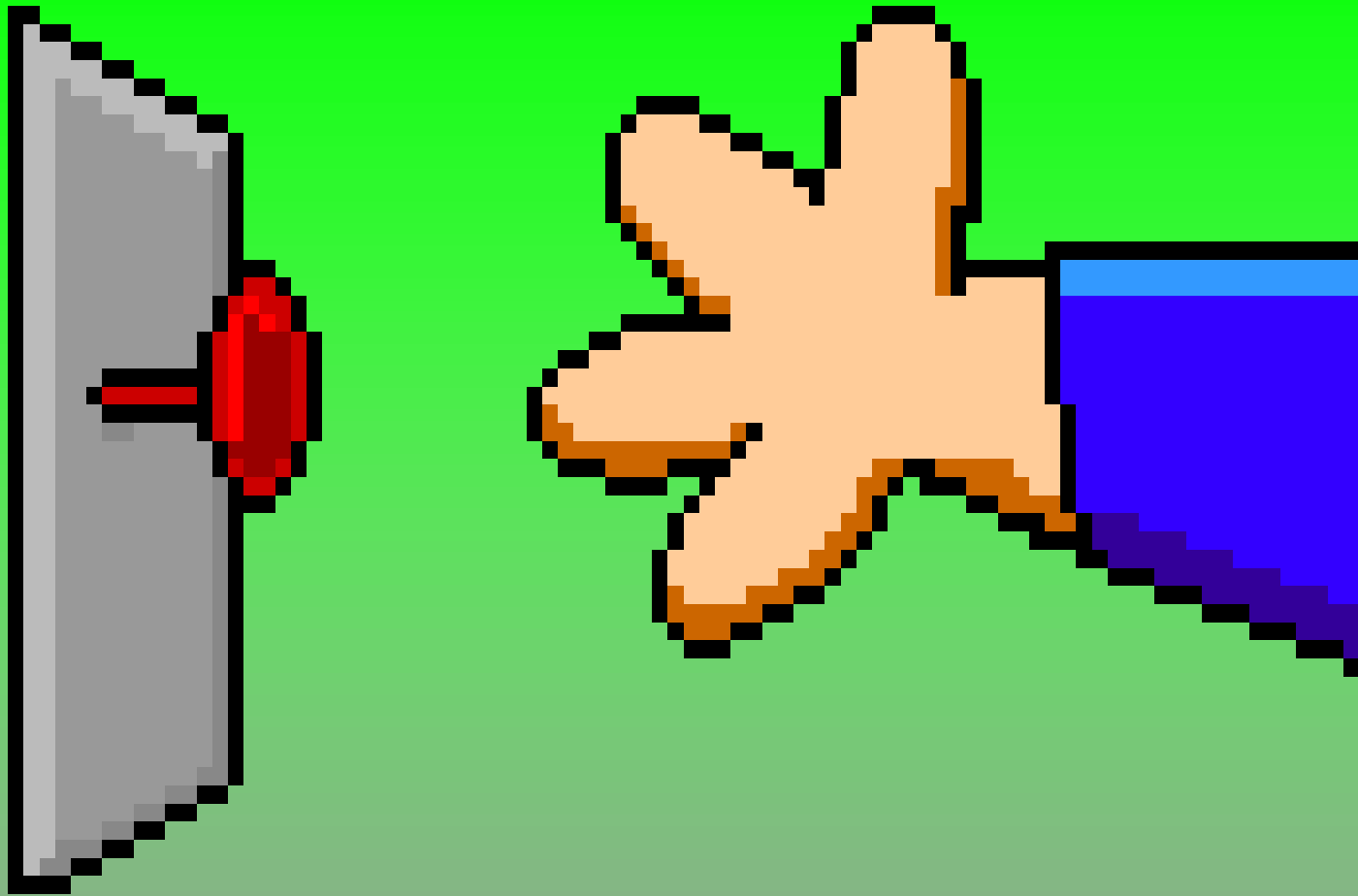
g.890

h.brightest



I don't think so!!!

Go back



OUCH!!!!!!



Go back



End show.



Good Job



Next planet

E
a
r
t
h



Go back



See pics.



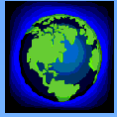
Next



Next



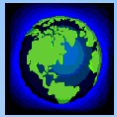
Facts About Earth



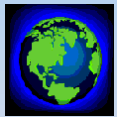
Earth, our beautiful planet, is the third planet from the Sun.



It has water on the surface, air we can breathe, and comfortable temperatures. This may be why it's the only planet that currently has life on it.



When seen from space, Earth looks like a blue ball with land that is brown and green and clouds that are white.



The Earth is mainly made of rock, with a metallic core. Earth is the only planet not named after a mythological character.

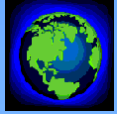


Go back

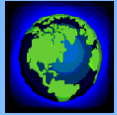


Next

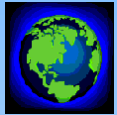
Facts cont.



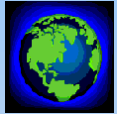
Distance from Sun: 93,000,000 miles



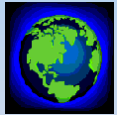
Diameter: 7,926 miles



Number of moons: 1



Length of year: 365 Earth days



Temperature: -130 F to 136 F



[Go back](#)



[Next](#)

Quiz About Earth

Earth is the **a._____** planet from the **b._____**. Earth is made mainly of **c._____** with a **d._____** core. The distance from the sun is **e._____** miles. The temperature on Earth is **f._____***F to **g._____***F.

Directions: Click on the group of words that fit in the paragraph.

a.third

b.Sun

c.metallic

d.iron

e.93,000,000

f.130

g.136

a.third

b.Sun

c.rock

d.metallic

e.93,000,000

f.-130

g.136

a.third

b.Sun

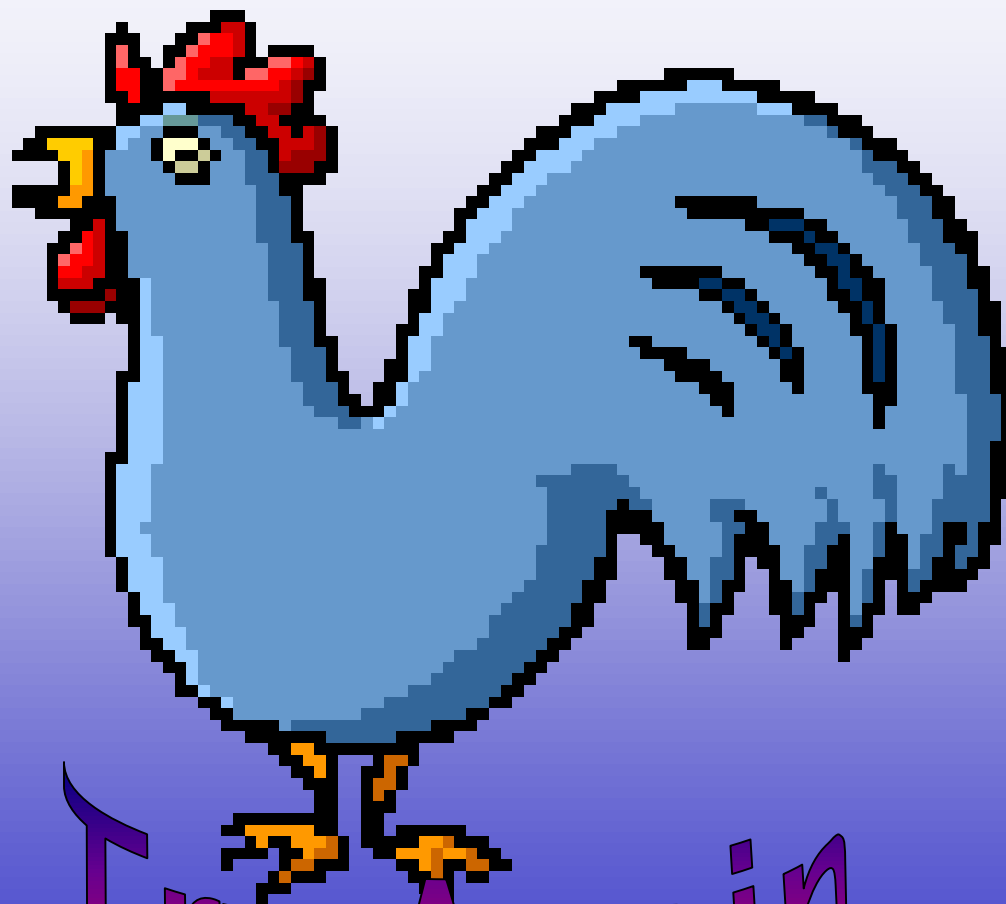
c.metallic

d.rock

e.93,000,000

f.130

g.136



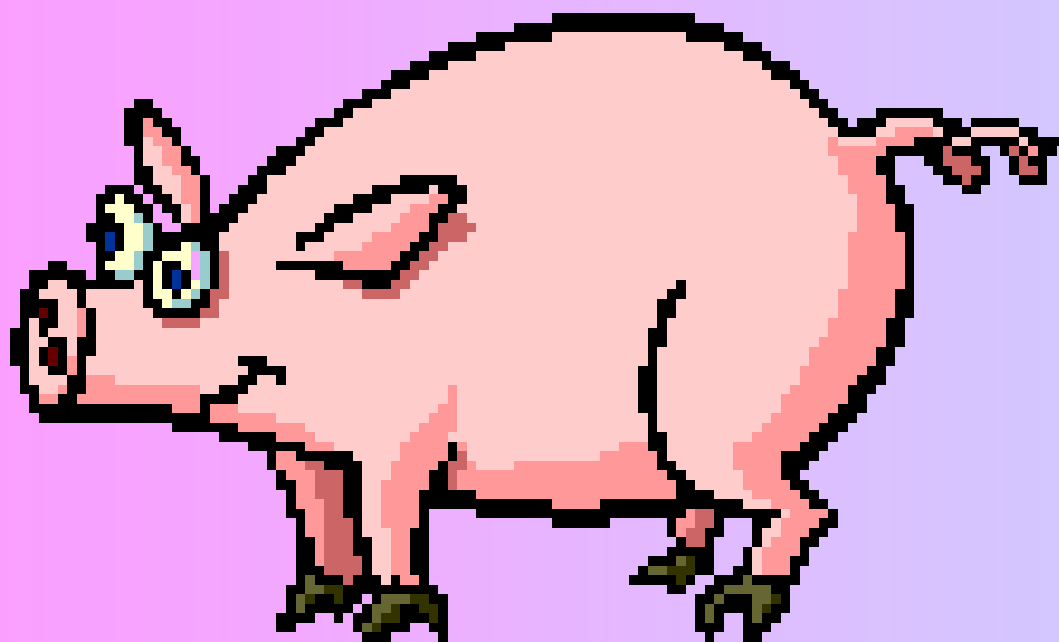
Try Again



Go back



End show.



Correct, Good Job...



Next planet

Fly away, wrong answer.



Go back

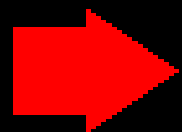
Mars



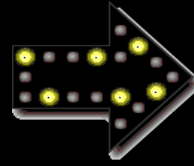
Go back



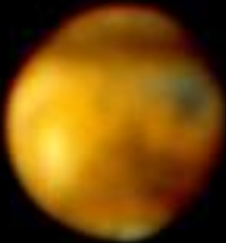
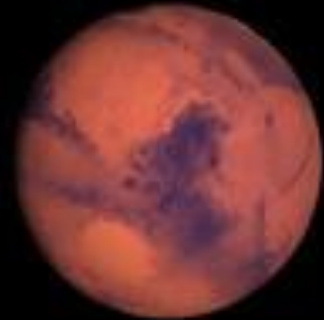
Picture time



Next



Next





1965-1967
NASA/JPL/Mariner


1971-1972
NASA/JPL/Mariner



Fact About Mars

 Mars is the fourth planet from the Sun, and is about half as big as Earth. Mars is named after the god of war.

 Mars is mainly made of rock, with a metallic core. Mars is covered with red rocks, which is often called the red planet, and has white ice caps at the poles.

 There are huge volcanoes and lots of craters on the surface. The biggest volcano is Olympus Mons. Some scientists think they may have found evidence that primitive life forms existed on Mars long ago.

 There is no life known to exist on Mars today.


Go back


Next

Factsonit



Distance from Sun: 142,000,000 miles

Diameter: 4,194 miles or about half the diameter of Earth



Number of moons: 2 (Phobos and Deimos)



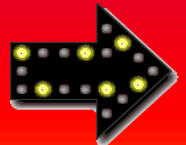
Length of year: 687 Earth days



Temperature: -266 F to -62 F



Go back



Next

Quiz About Mars

Mars is the **a.** _____ planet from the Sun. Mars is named after the god of **b.** _____. Mars is also called the **c.** _____ planet. Mars has huge **d.** _____ and lots of craters on the surface. Mars has **e.** _____ moons, and its temperature is **f.** _____ °F to **g.** _____ °F.

Directions: Click on the group of words that fit in the paragraph.

a. fourth

b. raw

c. red

d. volcanoes

e. two

f. -266

g. -62

a. fourth

b. war

c. red

d. volcanoes

e. one

f. 266

g. -62

a. fourth

b. war

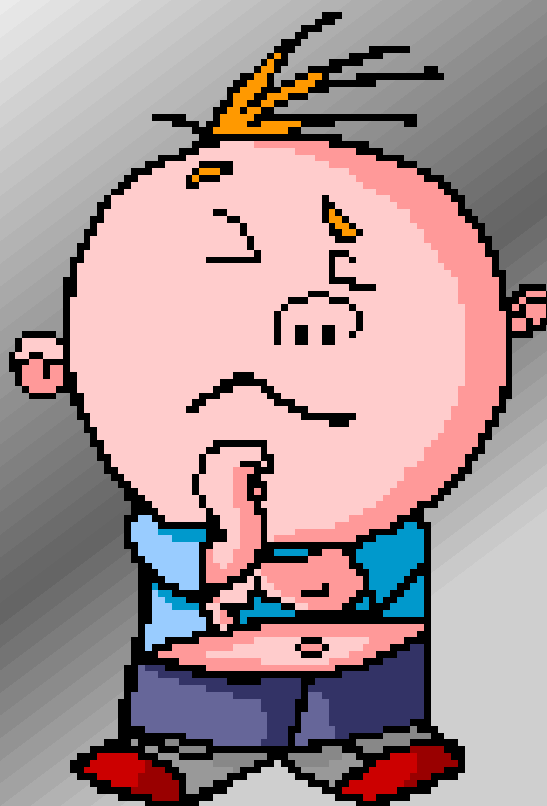
c. red

d. volcanoes

e. two

f. -266

g. -62



Hmm...I don't think so.



Go back



Go back

Oh no, wrong answer!



End show.



Good Job. Correct!!!



Next planet

Junior Picture e r



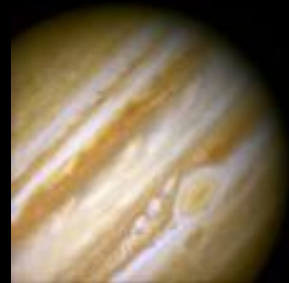
Go Back



Pictures



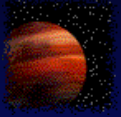
Next



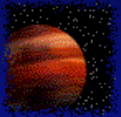
Next



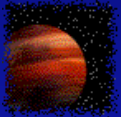
Facts About Jupiter



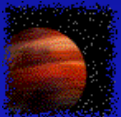
Jupiter is the fifth planet from the Sun, and is the largest planet in the solar system.



Jupiter is named after the king of the gods.



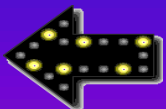
It is so big that it contains more material than all the other planets put together!



Orange, red, yellow, brown, and white clouds swirl around the planet.



The Great Red Spot is a huge spinning storm that has been seen for hundreds of years.

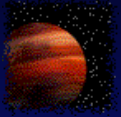


Go Back

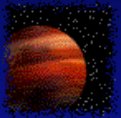


Next

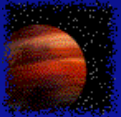
Facts cont.



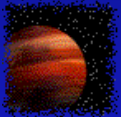
Jupiter is mainly made of liquid and gas, with a small rocky core.



Distance from Sun: 483,000,000 miles



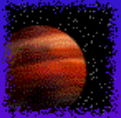
Diameter: 88,736 miles or about 11 Earths across



Number of moons: 60



Length of year: 4,333 Earth days (about 12 Earth years)



Temperature: -278 F



Go Back



Next

Quiz About Jupiter

Jupiter is the a._____ planet from the Sun, and is named after the king of the b._____. The Great Red Spot is a huge spinning c._____ that has been seen for years. Jupiter is made of d._____ and e._____. Jupiter has f._____ moons. Jupiter's temperature is g._____°F.

Directions: Click on the group of words that fit in the paragraph.

a.fifth

b.gods

c.storm

d.liquid

e.gas

f.60

g.-278

a.fifth

b.goods

c.storm

d.gas

e.liquid

f.60

g.-278

a.fifth

b.gods

c.tornado

d.gas

e.liquid

f.-60

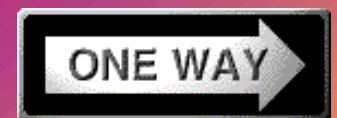
g.-278



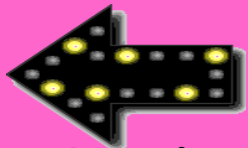
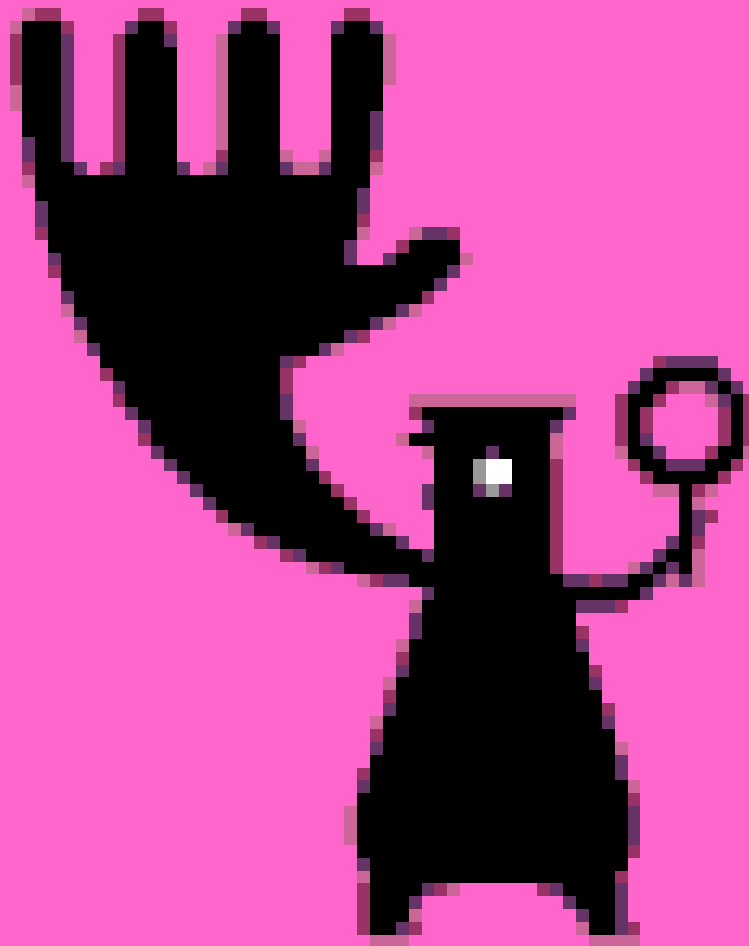
End show.



Correct!!!



Next planet



Back

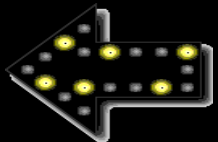
Stop, go back!



Go back

Try again...

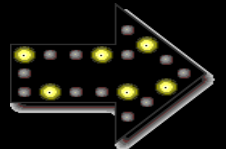
Saturn



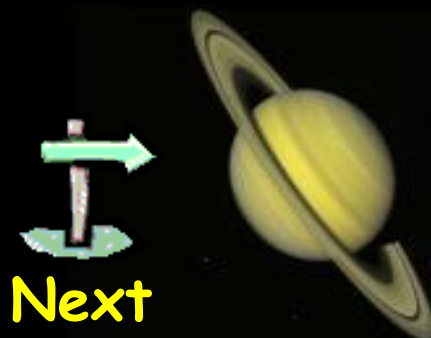
Go Back



Look at pics.



Next



Next

Facts About Saturn



Saturn is the sixth planet from the Sun and second largest planet. Jupiter and Saturn are giant planets. Saturn is named after the Roman god of agriculture.



Saturn is made up mainly of gas, and has beautiful rings that circle the planet. The rings are made up of tiny pieces of ice, dust, and rock, ranging in size from less than one inch across to the size of a barn.



Clouds circle the planet in bands of gold, beige, and white. Saturn is mainly made of gas and liquid, with a small rocky core.



[Go Back](#)



[Next](#)

Facts cont.



Distance from Sun: 887,000,000 miles



Diameter: 74,978 miles or about 9 and a half Earths across



Number of moons: 31



Length of year: 10,759 Earth days, about 29 Earth years



Temperature: -292 F



[Go Back](#)



[Next](#)

Quiz About Saturn

Saturn is the a._____ planet from the Sun. Saturn is named after the b._____god of agriculture. Saturn is made up mainly of c._____ and has beautiful d._____ that circle the planet. The rings are made up of tiny pieces of e._____, f._____, and g._____. Saturn has h._____ moons.

Directions: Click on the group of words that fit in the paragraph.

a.sixth

b.Ramon

c.gas

d.rings

e.ice

f.dust

g.rock

h.31

a.sixth

b.Romon

c.gas

d.rings

e.ice

f.dust

g.rock

h.30

a.sixth

b.Roman

c.gas

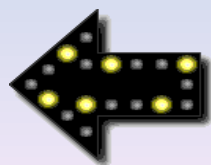
d.rings

e.ice

f.dust

g.rock

h.31



Go back

Wrong Answer...



X marks the wrong spot... Try Again



Go back



End show.



Excellent!!

Next planet

Uranus



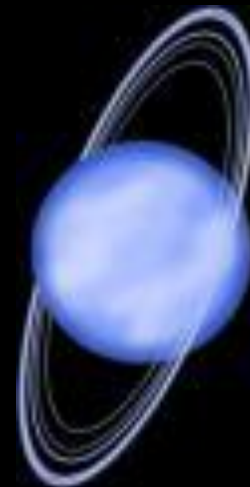
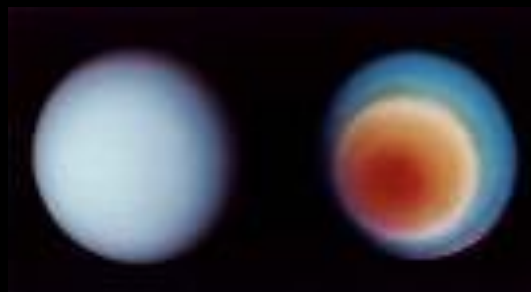
Click for pics.



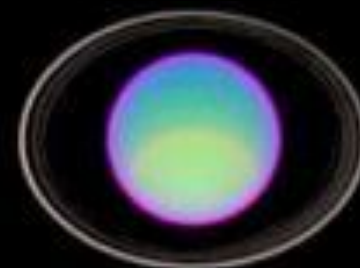
Go Back



Next



Next



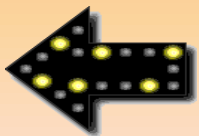
Facts About Uranus

 Uranus is the seventh planet from the Sun, and is a giant ball of gas. The clouds that circle the planet are greenish-blue.

 Uranus is the only planet in the solar system that spins on its side as it orbits the Sun.

 Uranus also has 11 thin rings that surround the planet.

 Uranus is a ball of gas with a rocky core.



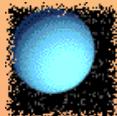




Go Back



Next

Facts cont.

-  Distance from Sun: 1,784,000,000 miles
-  Diameter: 32,193 miles or about 4 Earths across
-  Number of moons: 27
-  Length of a year: 30,685 Earth days
(about 84 Earth years)
-  Temperature: -346 F



Go Back



Next

Quiz About Uranus

Uranus is the **a._____** planet from the Sun. The clouds that circle the planet are **b._____**. Uranus also has **c._____** thin rings that surround the planet. Uranus is a ball of **d._____** with a **e._____** core. Uranus has **f._____** moons. Its temperature is **g._____***F.

Directions: Click on the group of words that fit in the paragraph.

a.seventh

b.greenish-blue

c.eleven

d.gas

e.rocky

f.twenty-seven

g.-346

a.seventh

b.greenish-blue

c.eleven

d.gas

e.rock

f.twenty-seven

g.346

a.seventh

b.greenish-blue

c.twelve

d.gas

e.rocky

f.twenty-seven

g.-346



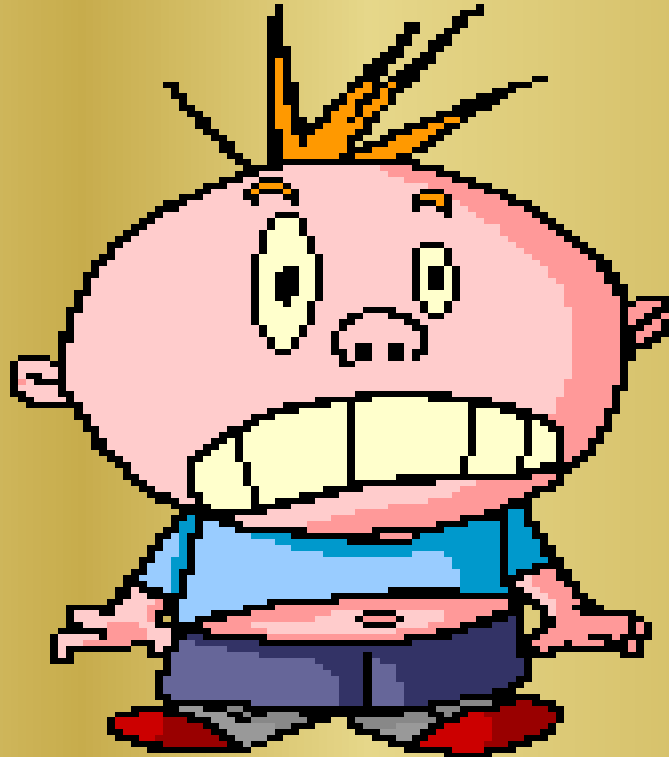
End show.



Nice Catch! Correct



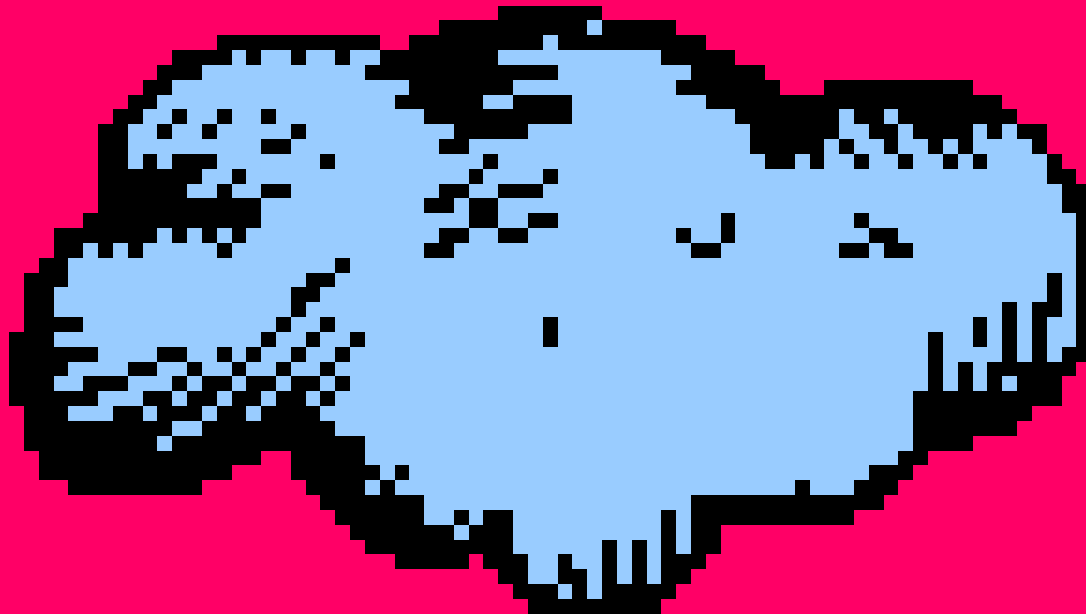
Next planet



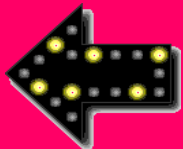
Try Again...



Go back



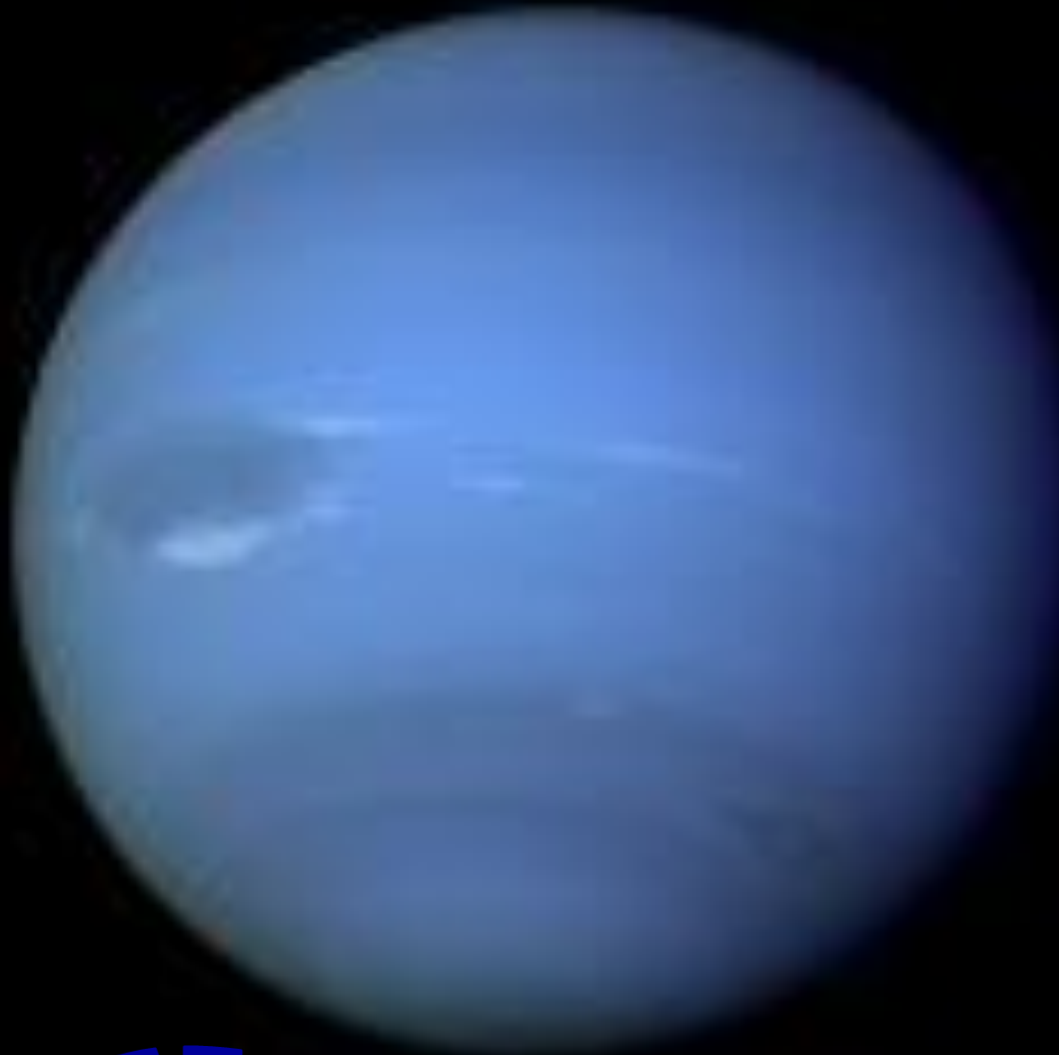
Try Again



Go back



Go Back

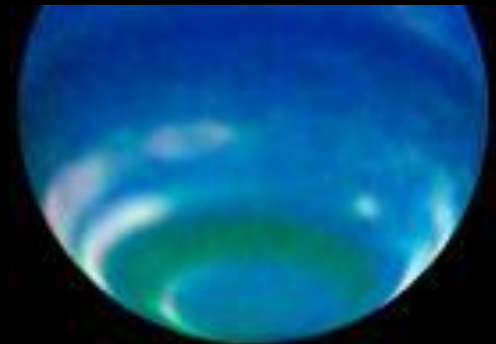
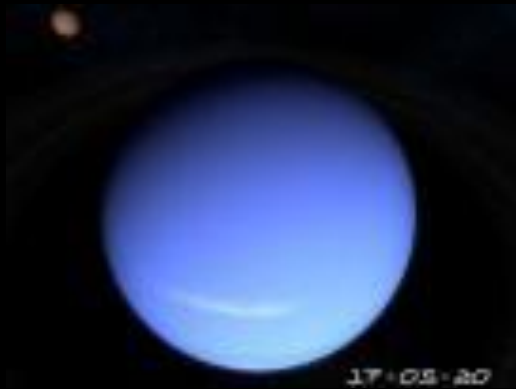
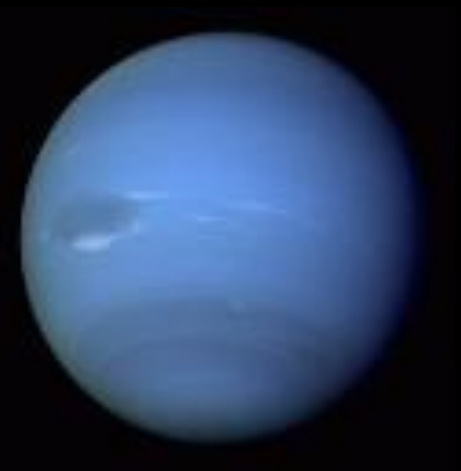


See some pics.

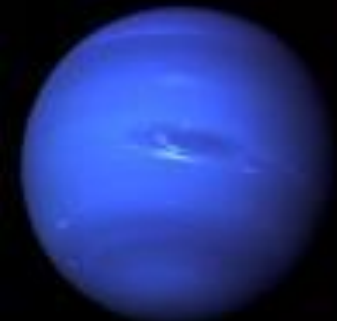
Neptune



Next



Next



Facts About Neptune



Neptune, also a huge ball of gas, is usually the eighth planet from the Sun. However, for a few years (until February 1999), Pluto was actually closer to the Sun than Neptune.



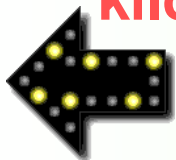
Neptune is named after the god of the sea.



The planet is surrounded by hazy blue clouds and dark rings.



Neptune has a large storm cloud called the Great Dark Spot and a smaller white cloud called "Scooter" that races around the planet. Neptune has the strongest winds at 1,200 kilometers an hour.



[Go Back](#)

[Next](#)

Facts cont.



Neptune is a ball of gas with a metal core.



Distance from Sun: 2,796,000,000 miles



Diameter: 30,775 miles or about 4 Earths across



Number of moons: 11



Length of year: 60,190 Earth days (about 165 Earth years)



Temperature: -353 F



Go Back

Next

Quiz About Neptune

Neptune is the **a._____** planet from the Sun. Neptune is a huge ball of **b._____**. It is named after the god of the **c._____**. It has a large storm cloud called the Great **d._____** and the smaller one is called **e._____** that races around the planet. Neptune has **f._____** moons and its temperature is **g._____** *F.

Directions: Click on the group of words that fit in the paragraph.

a.eighth

b.gas

c.sea

d.Dark Spot

e.Scot

f.eleven

g.-353

a.eighth

b.gas

c.sea

d.Dark Spot

e.Scooter

f.eleven

g.-353

a.eighth

b.gas

c.sea

d.Dark Spot

e.Scot

f.eleven

g.353



Go back

I don't think so.



End show.



Very Good



Click to do
some activities



Run away, wrong answer...



Go back

Lets Test Your Knowledge of the Solar System

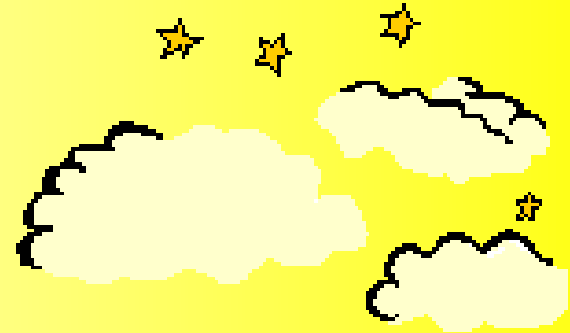
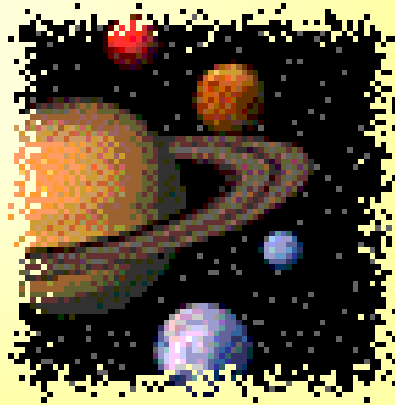
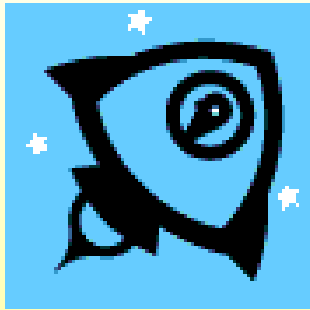
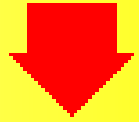


[Back to table
of contents](#)

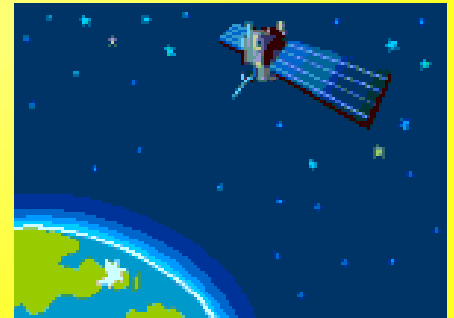
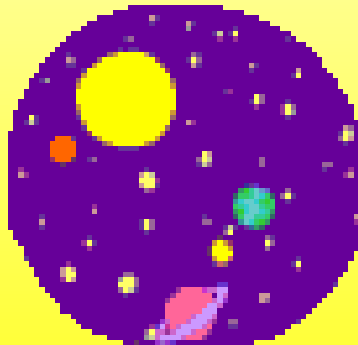
[Click on a planet.](#)

[Activities](#)

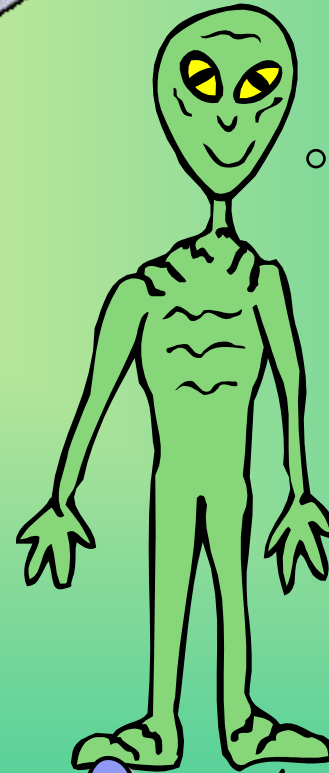
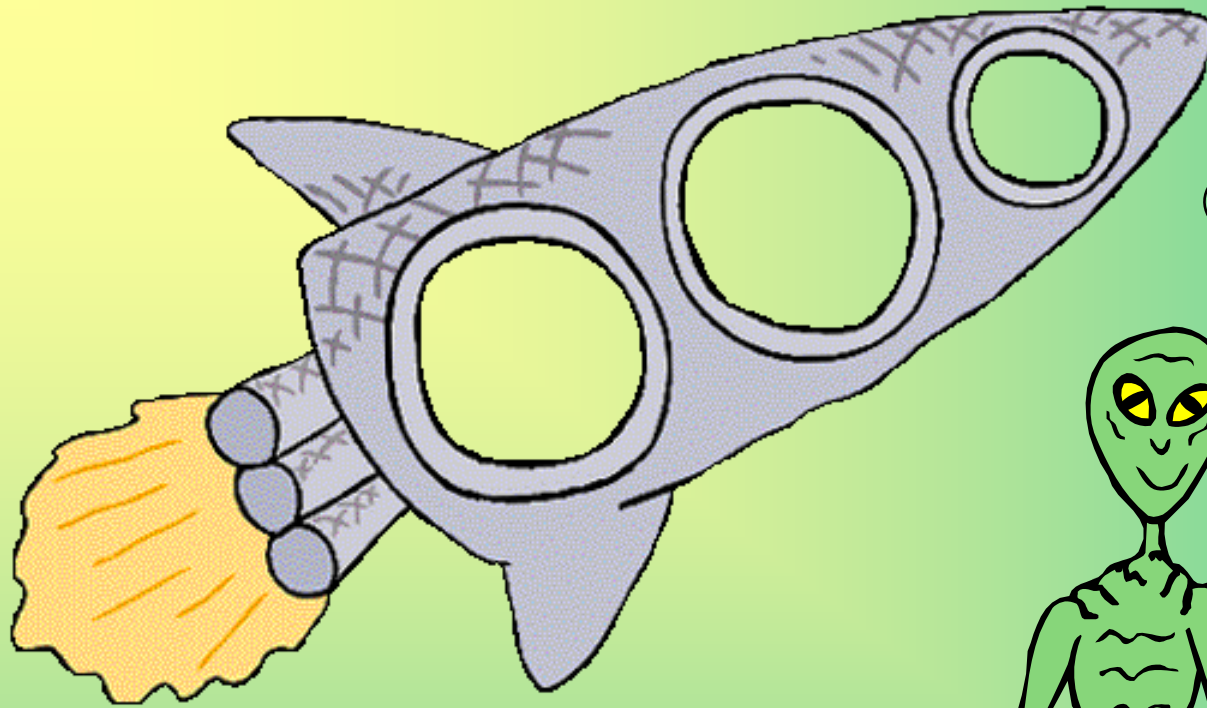
SOLAR SYSTEM JIGSAW



Next



Click on the clouds. Then click on the planet level.



Make a Solar System



Next

Looking for the Name of the Planets in a Word Search

A	C	G	J	O	P
U	M	S	A	L	A
T	L	I	C	Q	Q
R	P	L	X	E	S
E	O	K	Z	D	E
F	K	Y	S	C	D
H	Z	Q	D	T	S
Q	G	I	H	H	R
W	R	G	J	G	O
L	E	B	O	K	I
N	D	F	I	L	K

Click on
a word.

Mercury Venus Earth

Mars Jupiter Saturn

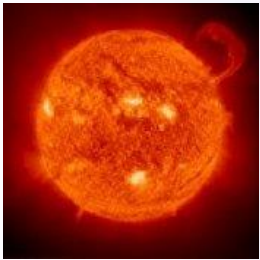
Uranus Neptune Pluto



Next

Let's Color the Planets,

Click on a picture.



Sun



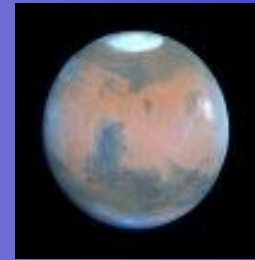
Mercury



Venus



Earth



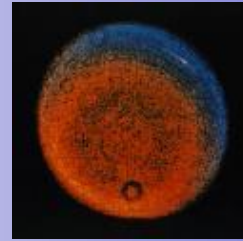
Mars



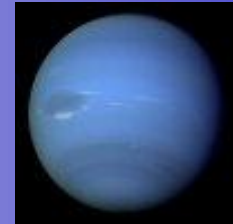
Jupiter



Saturn



Uranus



Neptune



Next



Click
on
me...

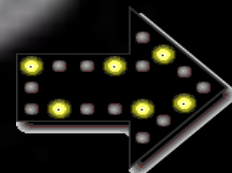
Matching Game

Next



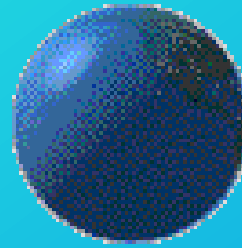
To Learn More About the Planets

Click on a planet.



Next

Click on the clouds to
take you to the
[Table of Contents.](#)



THE END

