

# Kid Scoop®

THE AWARD-WINNING PRINT & ONLINE FAMILY FEATURE



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## Saturn and the Rings

With its colorful rings, Saturn is one of the most recognizable planets in our solar system. But depending on the time of year, the rings can play tricks with your eyes!



Dear Kid Scoop Readers -  
Saturn is amazing! Rings of \_\_\_\_\_ circle this planet and it has \_\_\_\_\_ of moons. It's the second largest in our solar system. If it were \_\_\_\_\_, more than 700 planet Earths could fit inside Saturn.

Saturn is a gas planet - which means you can't \_\_\_\_\_ or \_\_\_\_\_ on it. But it is pretty to look at!  
- Woodward

Replace the missing words.

**BREATHE**

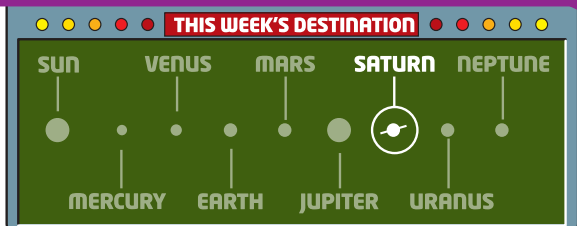
**HOLLOW**

**DOZENS**

**PLANET**

**WALK**

**COLOR**



One of Saturn's many moons has more than 100 geysers at its south pole.



Photo courtesy NASA

## Meet Cassini

Cassini is the latest NASA spacecraft to explore Saturn. Cassini left Earth in 1997 and arrived at Saturn in 2004. How many years did it take Cassini to get to Saturn?

\_\_\_\_\_ YEARS

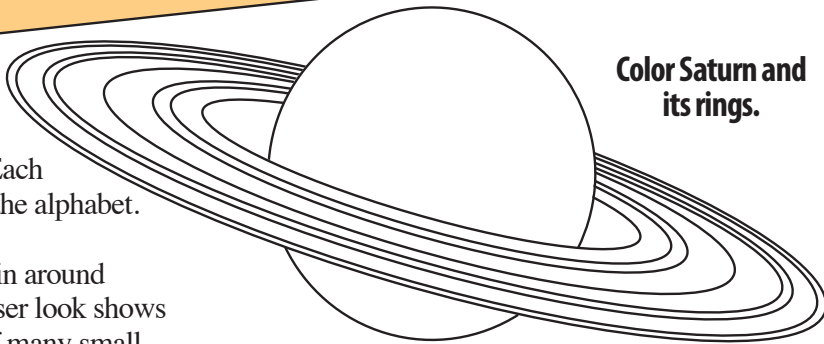
Cassini now orbits Saturn and sends back new pictures and information all the time. It has already taken more than 330,000 photos of Saturn!

## Saturn's Rings

Saturn has seven large rings. Each ring is named for a letter of the alphabet.

The rings do not sit still. They spin around Saturn at very high speeds. A closer look shows that each large ring is made up of many small rings, these are called **ringlets**.

Scientists think more rings could be discovered in the future.



Color Saturn and its rings.

USE THE CODE: SATURN'S RINGS ARE MADE OF



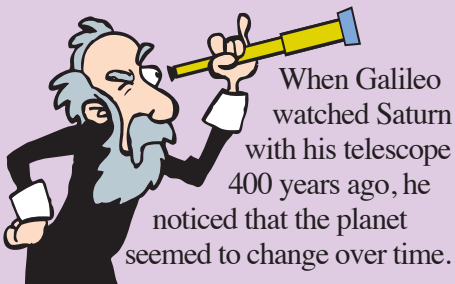
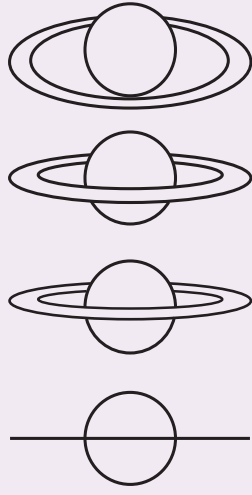
A=1 C=2 D=3 E=4 I=5 K=6 N=7 O=8 R=9

## Galileo and Disappearing Planets

Like the Earth, Saturn is tilted in relationship to the sun. Because of the tilt of Saturn and the thinness of the rings, every few years, the rings look like they have disappeared.

He wrote, "I have discovered a most extraordinary marvel ... the planet Saturn is not one alone, but is composed of three, which almost touch one another." What he thought were extra planets, were actually Saturn's rings.

After a couple of years, he couldn't see what he thought were the two extra planets. But four years later, he saw what he thought were "handles" mysteriously appear.



When Galileo watched Saturn with his telescope 400 years ago, he noticed that the planet seemed to change over time.

Use this chart to answer these questions.

- It would take about 58 Earth years for Saturn to orbit the sun two times.  
 True  False
- The diameter of Earth is larger than that of Saturn.  
 True  False

	SATURN	EARTH
DISTANCE FROM THE SUN	938 MILLION MILES	93 MILLION MILES
TIME TO ORBIT THE SUN	29 EARTH YEARS	365 DAYS
ORBIT SPEED	21,675 MILES PER HOUR	70,000 MILES PER HOUR
LENGTH OF DAY	10 HOURS, 14 MINUTES	JUST A BIT OVER 24 HOURS
DIAMETER	74,500 MILES	7,926 MILES
NUMBER OF MOONS	62 OR MORE	1

SOURCE: planetfacts.org

## Saturn Adjectives

Look through the newspaper to find five adjectives that describe Saturn.

Standards Link: Language Arts: Follow simple written directions.

## Kid Scoop® Puzzler

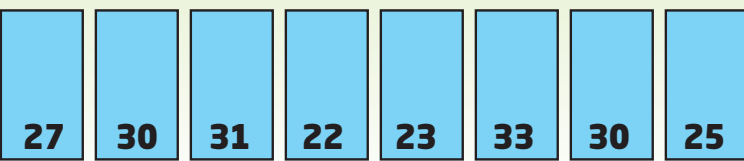
### How Saturn Got Its Name

The Romans knew of seven bright objects in the sky: the Sun, the Moon, and five bright planets. They named them after their most important gods. The planet

Saturn was named after the Roman god of agriculture.

Do the math to discover another common word named after this Roman god.

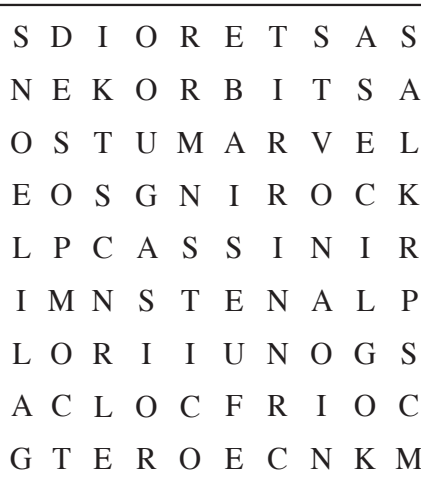
<b>23 + 7 = A</b>	<b>21 + 7 = E</b>	<b>22 + 9 = T</b>
<b>24 + 2 = C</b>	<b>22 + 1 = R</b>	<b>21 + 1 = U</b>
<b>29 + 4 = D</b>	<b>20 + 7 = S</b>	<b>23 + 2 = Y</b>



## Double Double Word Search

- ASTEROIDS
- COMPOSED
- GALILEO
- CASSINI
- SATURN
- PLANET
- MARVEL
- BROKEN
- ORBITS
- RINGS
- MOONS
- TILT
- ROCK
- GAS
- ICE

Find the words in the puzzle. Then look for each word in this week's Kid Scoop stories and activities.



Standards Link: Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.

## FROM THE Kid Scoop® LESSON LIBRARY

### Saturn Syllables

Saturn is a two-syllable word: Sat - urn. Each syllable has one vowel sound. Look through the newspaper for five or more words that have two syllables. Divide each word into its syllables.

Standards Link: Research: Use the newspaper to locate information.

Where does an astronaut store a sandwich?

ANSWER: In a lunch box!

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