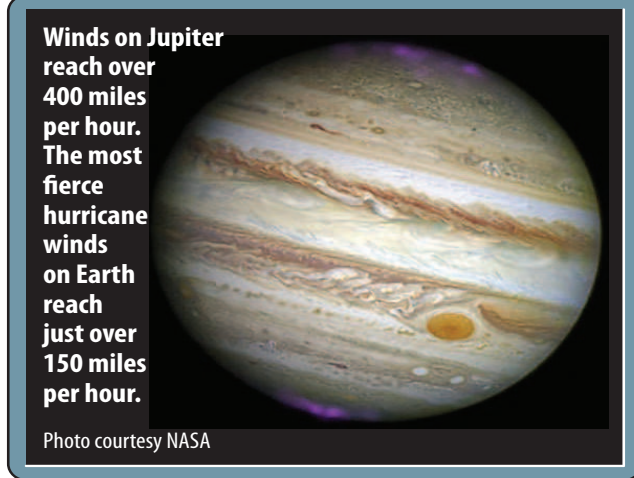
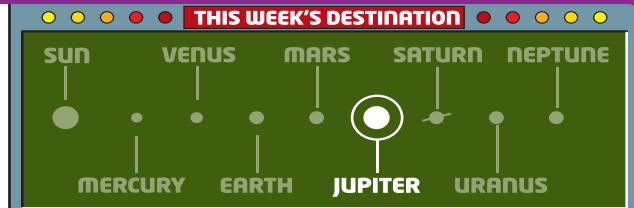


Jupiter The Giant



It has storms that last for centuries and its rocky center core is totally covered by a massive sea of liquid hydrogen. Jupiter isn't anyone's idea of a great summer vacation spot!



Dear Kid Scoop Readers -
 Jupiter is the largest and _____ more than 1,000 Earths could fit inside.
 Jupiter is one heavy planet! Jupiter is almost 1,000 times heavier than Earth. That means it has a much _____ gravitational pull. If you weigh 100 _____ on Earth, you would _____ pounds on Jupiter!
 - Woodward

Replace the missing words.
POUNDS
HOLLOW
STRONGER
WEIGH
HEAVIEST

Are you a careful reader? Read the article below and see if you can circle all five errors. Then, rewrite the article correctly on the blank lines.

Moon Struck

Jupiter's four largest moons are **Ganymede, Europa, Io** and **Callista**. These moons are called Galileian moons after the scientists Galileo who discovered them with his small telescope in 1610.

Ganymede is the largest of Jupiter's moons. It is bigger than the planet Mercury.

Europa is covered with ice.

Io has exploding volcanoes. Something know other moon in the solar system has.

Callisto is made up of both rock and iced. It may also have liquid water.

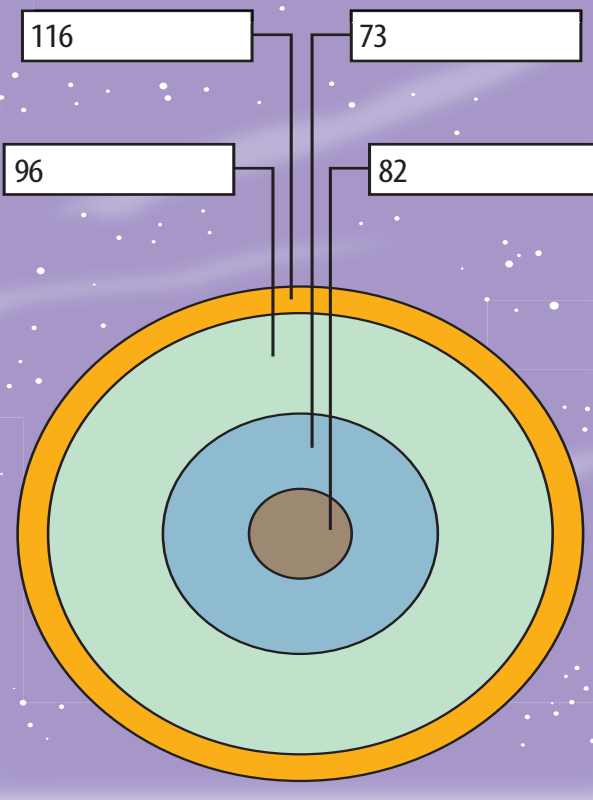
Stormy Spot

Jupiter is the largest planet in our solar system. So, why is a day on Jupiter so short? It's only about ten Earth hours long. That means there is a sunset every ten hours!

The fast rotational speed of Jupiter is one of the reasons why there are so many storms on the planet. Wind speeds on Jupiter can reach nearly 400 miles per hour. The big storm known as the Great Red Spot may be one giant storm that scientists think has been going on for many years. How many years? Do the math:

Label the Layers

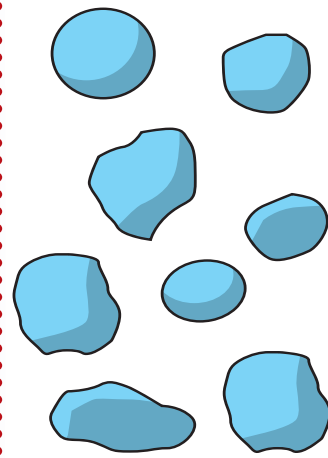
10 + 21 + 54 + 11 = LIQUID HYDROGEN
 14 + 13 + 71 + 18 = CLOUD LAYER
 22 + 8 + 39 + 6 + 7 = ROCK CORE
 11 + 11 + 11 + 14 + 26 = METAL HYDROGEN



Moons of Jupiter

For many years, scientists said that Jupiter had 16 moons. But in recent years, more objects have been discovered that could be moons, or satellites — possibly another 47 moons! It will take awhile to know if these are actually all moons. Some are round like ours and some are irregular shapes.

Find the two identical moons.



Use this chart to answer these questions.

- How many million miles closer to the sun is Earth than Jupiter?
 250 391 484
- A day on Jupiter is more than twice as long as a day on Earth.
 True False

	JUPITER	EARTH
DISTANCE FROM THE SUN	484 MILLION MILES	93 MILLION MILES
TIME TO ORBIT THE SUN	12 EARTH YEARS	365 DAYS
ORBIT SPEED	29,304 MILES PER HOUR	70,000 MILES PER HOUR
LENGTH OF DAY	10 HOURS	JUST A BIT OVER 24 HOURS
CIRCUMFERENCE	272,946 MILES	7,926 MILES
NUMBER OF MOONS	63	1

Extra! Extra! Jupiter Adjectives

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

Standards Link: Language Arts: Follow simple written directions.

Kid Scoo-doku

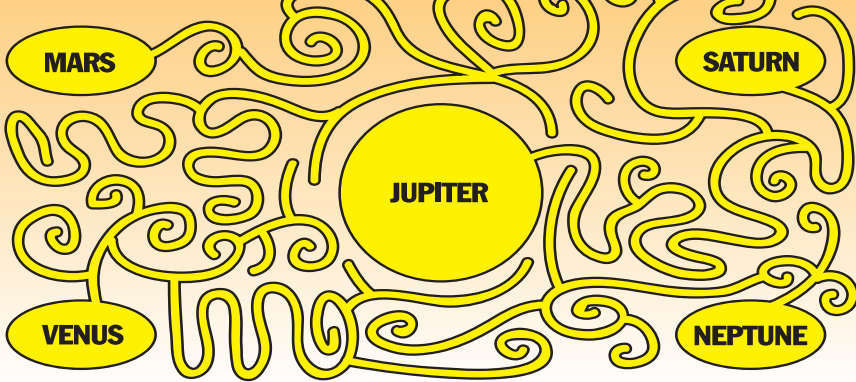
Complete the grid by using all the letters in the word **STORM** in each vertical and horizontal row. Each letter should only be used once in each row. Some spaces have been filled in for you.

S	O	T	M	R
R				S
	R			
T			R	O
		R		M

Kid Scoop Puzzler

How Jupiter Got Its Name

The Romans knew of seven bright objects in the sky: the sun, the moon and the five brightest planets. They named them after their most important gods. Jupiter, the largest planet, was named after the king of the Roman gods. Jupiter was the son of another Roman god with a name you'll recognize. Follow the maze to discover the name.



Double Double Word Search

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

ROTATIONAL	HEAVIEST	JUPITER	REASONS	HOLLOW	SUNSET	GIANT	MOONS	STORM	WEIGH	SPOT	LIFT	LONG	HOUR	RED
R	S	T	O	R	M	O	N	S	U	S	T	S	E	I
U	S	T	S	E	I	V	A	E	H	O	P	P	N	G
O	P	P	N	G	I	R	S	R	G	H	A	L	O	A
R	O	T	A	T	I	O	N	A	L	E	N	U	E	T
E	I	L	I	N	L	G	S	S	I	D	C	P	L	O
U	U	P	N	O	T	T	T	N	T	J	H	G	I	E
J	H	G	I	E	W	T	E	S	R					

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

Kid Scoop VOCABULARY BUILDERS

This week's word: **ROTATIONAL**

The adjective **rotational** means the circular path as something turns on its axis.

The **rotational** cycle of Earth brings us night and day.

Try to use the word **rotational** in a sentence today when talking with your friends and family.

FROM THE Kid Scoop LESSON LIBRARY

Big to Small

The newspaper is full of abbreviations. Take one section of the newspaper and circle at least ten abbreviations. List them on a sheet of paper and write out the full word after each abbreviation.

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

How do robots shave?
 ANSWER: With a laser blade.

Write On! Go Explore!

If you could go anywhere in the world, where would you go? Why? What would you take with you?



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