

# JUPITER

Jupiter is the largest planet in the solar system. It is more than twice the size of all the other planets combined. Eleven Earths could fit across Jupiter's equator. If Earth were the size of a grape, Jupiter would be the size of a basketball.

Fifth in line from the Sun, Jupiter is the first of the gaseous planets as it does not have a solid surface like Earth or Mars. Its atmosphere is made up mostly of hydrogen and helium like the centre of a star.

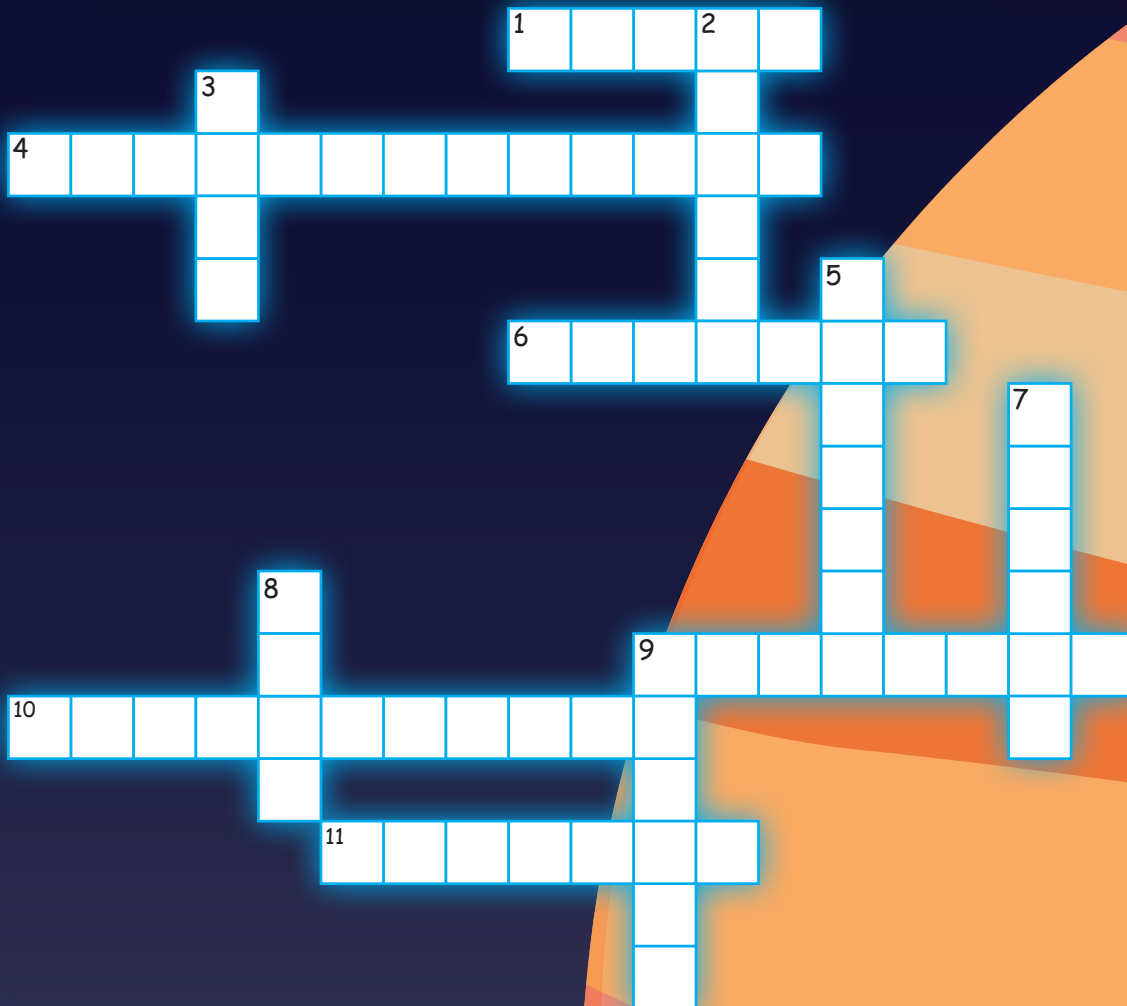
Jupiter rotates once about every 10 hours (a Jovian day) but takes about twelve Earth years to complete one orbit of the Sun (a Jovian year).

In 1610 Galileo Galilei found the first of Jupiter's 75 moons. It was the first moon found beyond Earth's and this discovery changed the way astronomers saw the universe.

Jupiter's familiar stripes and swirls are actually cold, windy clouds of ammonia while its iconic Great Red Spot is a giant storm bigger than Earth that has raged for hundreds of years.

Nine spacecraft have visited Jupiter. Seven flew by and two have orbited the gas giant. Juno, the most recent, arrived at Jupiter in 2016. It is still orbiting the planet now.

Use the information above and the clues below to complete this cross-word.



## ACROSS

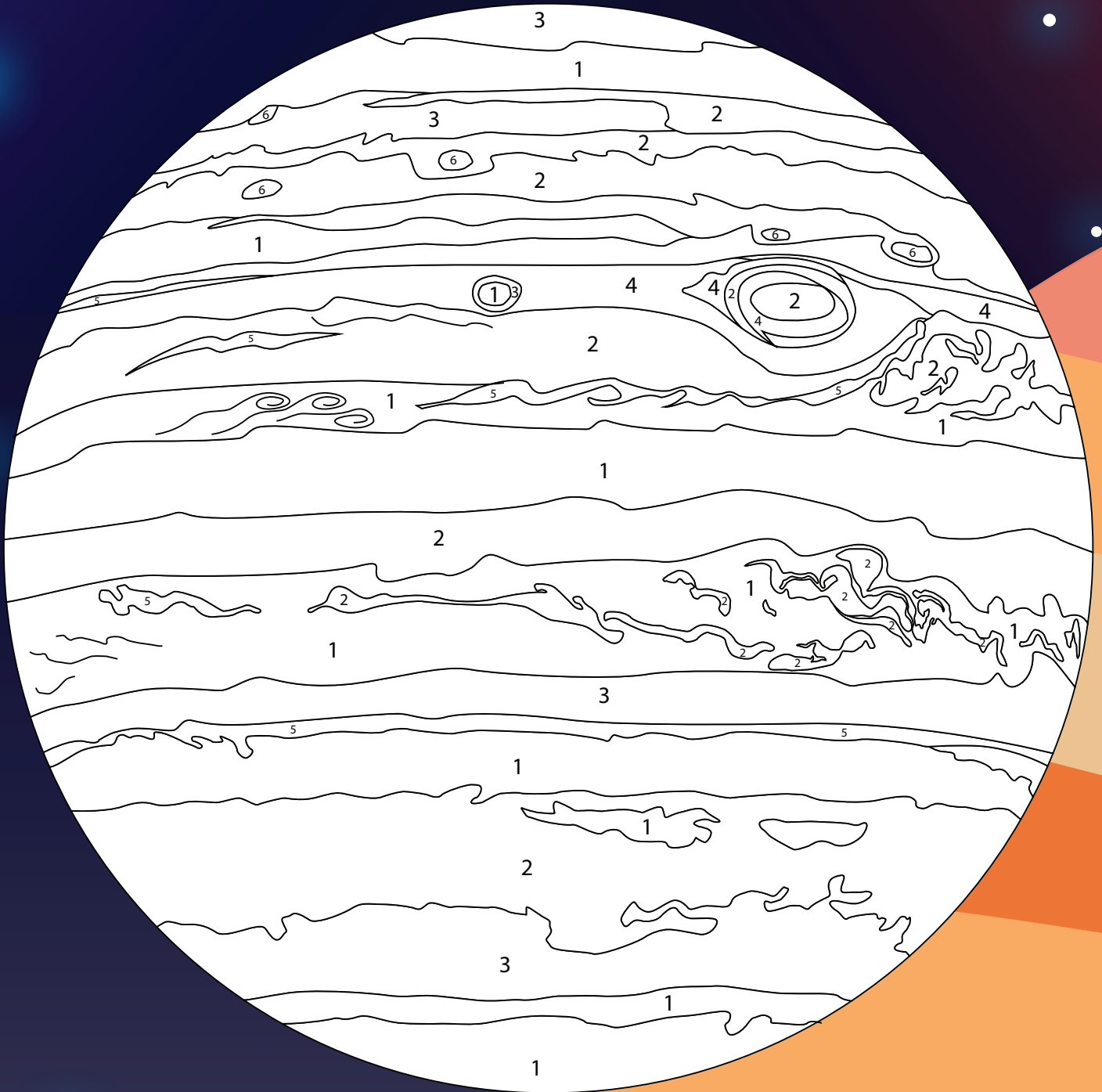
1. Jupiter is the \_\_\_\_\_ planet from the sun.
4. The astronomer who discovered the 1st of Jupiter's moons.
6. Jupiter is the first \_\_\_\_\_ planet.
9. One of the 2 gases making up Jupiter's atmosphere.
10. The number of moons Jupiter has.
11. Jupiter's stripes and swirls are cloud of this.

## DOWN

2. The number of Earth years it takes for Jupiter to orbit the sun.
3. How many spacecraft have visited Jupiter?
5. The largest planet in the solar system.
7. The number of Earths that can fit across Jupiter's equator.
8. The spacecraft currently orbiting Jupiter.
9. The second of 2 gases making up Jupiter's atmosphere.

# JUPITER

Jupiter is the largest planet in the solar system. It is more than 11 times the size of Earth. It has 75 moons. Jupiter's white and orange stripes and swirls are cold windy clouds of ammonia. Its Great Red Spot is a giant storm that has raged for hundreds of years. Colour the picture of Jupiter below.



Light Brown



1

Orange



2

Brown



3

Red



4

Light Blue



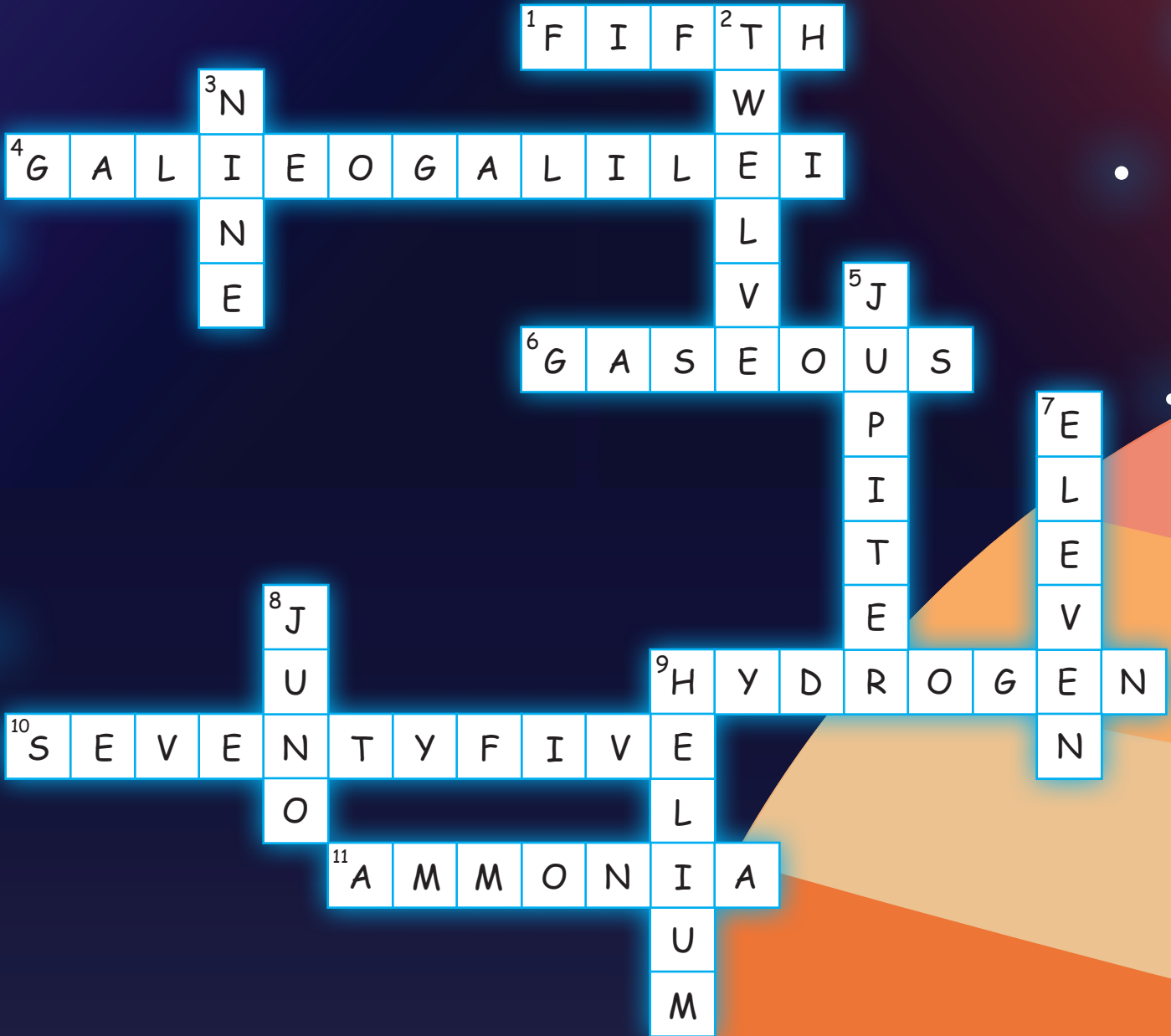
5

Pink



6

# JUPITER ANSWERS



## ACROSS

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- The astronomer who discovered the 1st of Jupiter's moons.
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