



# THE UNIVERSE QUIZ



If you get stuck, you'll find some helpful clues in Chapter 1 of the *Britannica All New Children's Encyclopedia*

## Question 1:

Which of the following elements were the only two that existed soon after the Universe formed?

- Hydrogen and helium
- Hydrogen and oxygen
- Carbon and hydrogen
- Helium and oxygen

## Question 2:

What is the opposite of matter?

- Negative matter
- Antimatter
- Zeromatter
- No matter

## Question 3:

Planet Earth is located in which spiral arm of the Milky Way galaxy?

- The Orion Arm
- The Perseus Arm
- The Major Arm
- The Norma Arm

## Question 4:

Approximately how long does one complete rotation of the Milky Way take?

- 24 years
- 240 years
- 24,000 years
- 240 million years

## Question 5:

What scientific instrument was first used by ancient Greek astronomers to map stars in the night sky?

- Telescope
- Astrolabe
- Orrery
- Oracle

## Question 6:

In which year was the Hubble Space Telescope launched?

- 1980
- 1990
- 2000
- 2010

## Question 7:

The asteroid belt lies between which two planets?

- Jupiter and Saturn
- Mars and Saturn
- Saturn and Neptune
- Mars and Jupiter

## Question 8:

Saturn's moon Titan has liquid running over its surface. This liquid is similar to:

- Water
- Slime
- Ectoplasm
- Gasoline

## Question 9:

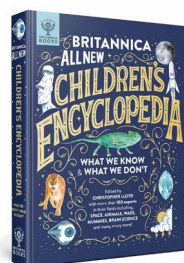
Up to how many people at a time live on the International Space Station?

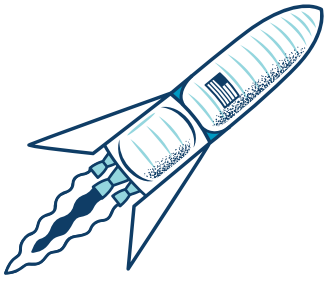
- 3
- 6
- 12
- 24

## Question 10:

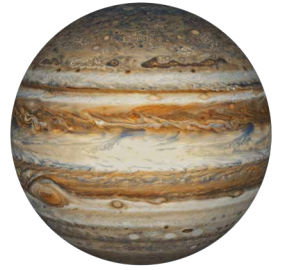
Which of the following is NOT the name of a theory about how the Universe will end?

- The Big Crunch
- The Big Freeze
- The Big Dipper
- The Big Rip





# THE UNIVERSE WORDSEARCH



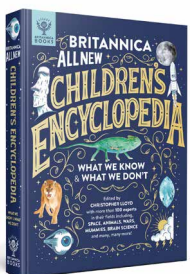
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 I O N C E C L I P S E G Z T P M J B C V  
 L V X T F Z I J B D G X A C K P N U S P  
 F Z N L M F E K H Z H B K L Q P G S J Q  
 A I J Z O F C E E C H T T M A F J I Q B  
 C J Z Z U H R T D Q R X M I T X H L E F  
 O G N H A S M K A E B C B C Q R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

Can you find all these Universe related words?

They can be found going up, down, diagonal, side to side and backwards!

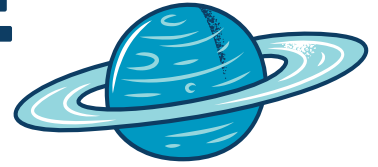
- |               |              |              |
|---------------|--------------|--------------|
| ASTEROID      | GALAXY       | SATELLITE    |
| BLACK HOLE    | INTERSTELLAR | SOLAR SYSTEM |
| CONSTELLATION | MOON         | SPACECRAFT   |
| ECLIPSE       | NEBULAE      | SUN          |
| EXOPLANET     | ROCKET       | SUPERNOVA    |

You can find lots more information about these words in Chapter 1 of the *Britannica All New Children's Encyclopedia*

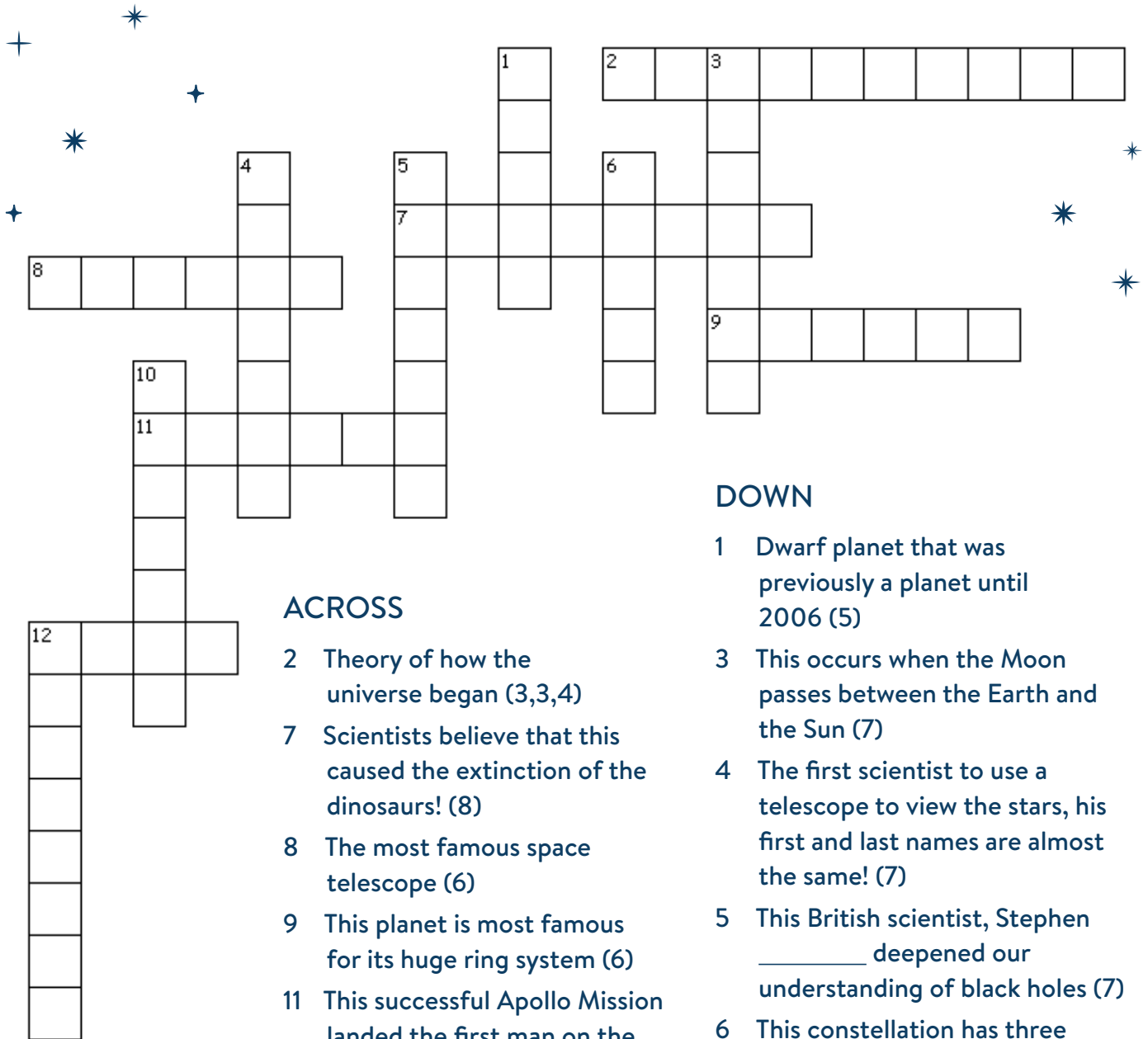




# THE UNIVERSE CROSSWORD



All these facts are taken from Chapter 1 of the  
*Britannica All New Children's Encyclopedia*

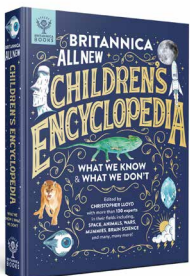


## ACROSS

- 2 Theory of how the universe began (3,3,4)
- 7 Scientists believe that this caused the extinction of the dinosaurs! (8)
- 8 The most famous space telescope (6)
- 9 This planet is most famous for its huge ring system (6)
- 11 This successful Apollo Mission landed the first man on the moon (6)
- 12 A NASA rover is looking for signs of life on this red planet (4)

## DOWN

- 1 Dwarf planet that was previously a planet until 2006 (5)
- 3 This occurs when the Moon passes between the Earth and the Sun (7)
- 4 The first scientist to use a telescope to view the stars, his first and last names are almost the same! (7)
- 5 This British scientist, Stephen \_\_\_\_\_ deepened our understanding of black holes (7)
- 6 This constellation has three stars that form a belt (5)
- 10 The closest planet to our Sun (7)
- 12 Spiral galaxy and a chocolate bar (5,3)



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ANSWERS: Across - 2. The Big Bang, 7. Asteroid, 8. Hubble, 9. Saturn, 11. Eleven, 12. Mars, Down - 1. Pluto, 3. Eclipse, 4. Galileo, 5. Hawking, 6. Orion, 10. Mercury, 12. Milky Way