



THE UNIVERSE QUIZ



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

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 galaxy 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:

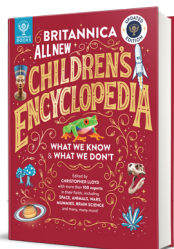
Up to how many people at a time live on the International Space Station?

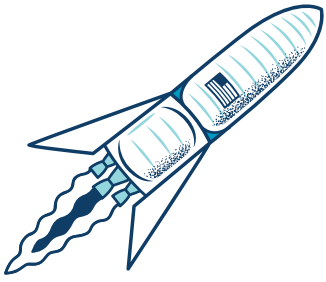
- 3
- 7
- 12
- 24

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

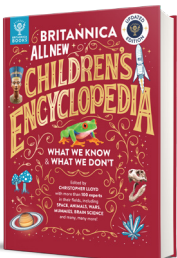


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 A I J Z O F C E E C H T T M A F J I Q B
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 U U S P O Y H D N N I V H B L S F W Q R
 G I U P G F U Z J H G O V I C N V C Z O

Can you find all of these words relating to our Universe?
 They can be found going up, down, diagonal, side to side and backwards!

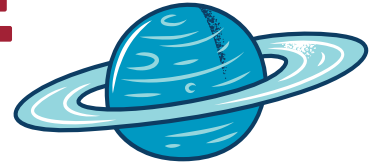
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|---------------|--------------|--------------|
| ASTEROID | GALAXY | SATELLITE |
| BLACK HOLE | INTERSTELLAR | SOLAR SYSTEM |
| CONSTELLATION | MOON | SPACECRAFT |
| ECLIPSE | NEBULAE | SUN |
| EXOPLANET | ROCKET | SUPERNOVA |

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

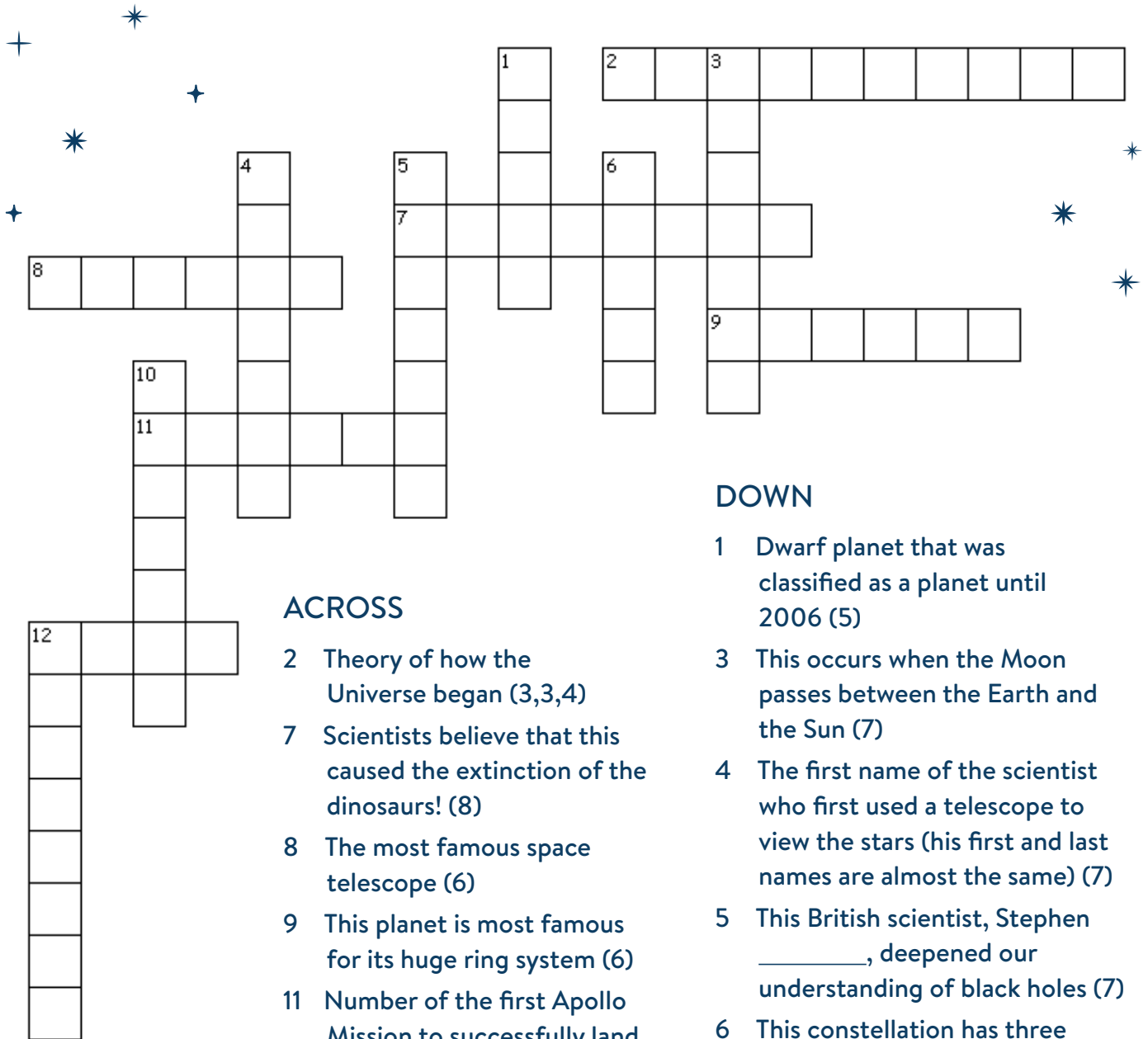




THE UNIVERSE CROSSWORD



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

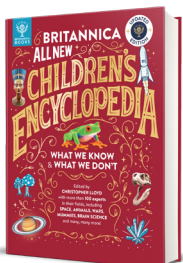


ACROSS

- 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 Number of the first Apollo Mission to successfully land humans on the Moon (6)
- 12 A NASA rover is looking for signs of life on this red planet (4)

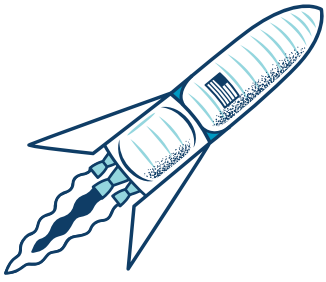
DOWN

- 1 Dwarf planet that was classified as a planet until 2006 (5)
- 3 This occurs when the Moon passes between the Earth and the Sun (7)
- 4 The first name of the scientist who first used 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 the Sun (7)
- 12 Name of a spiral galaxy and a chocolate bar (5,3)

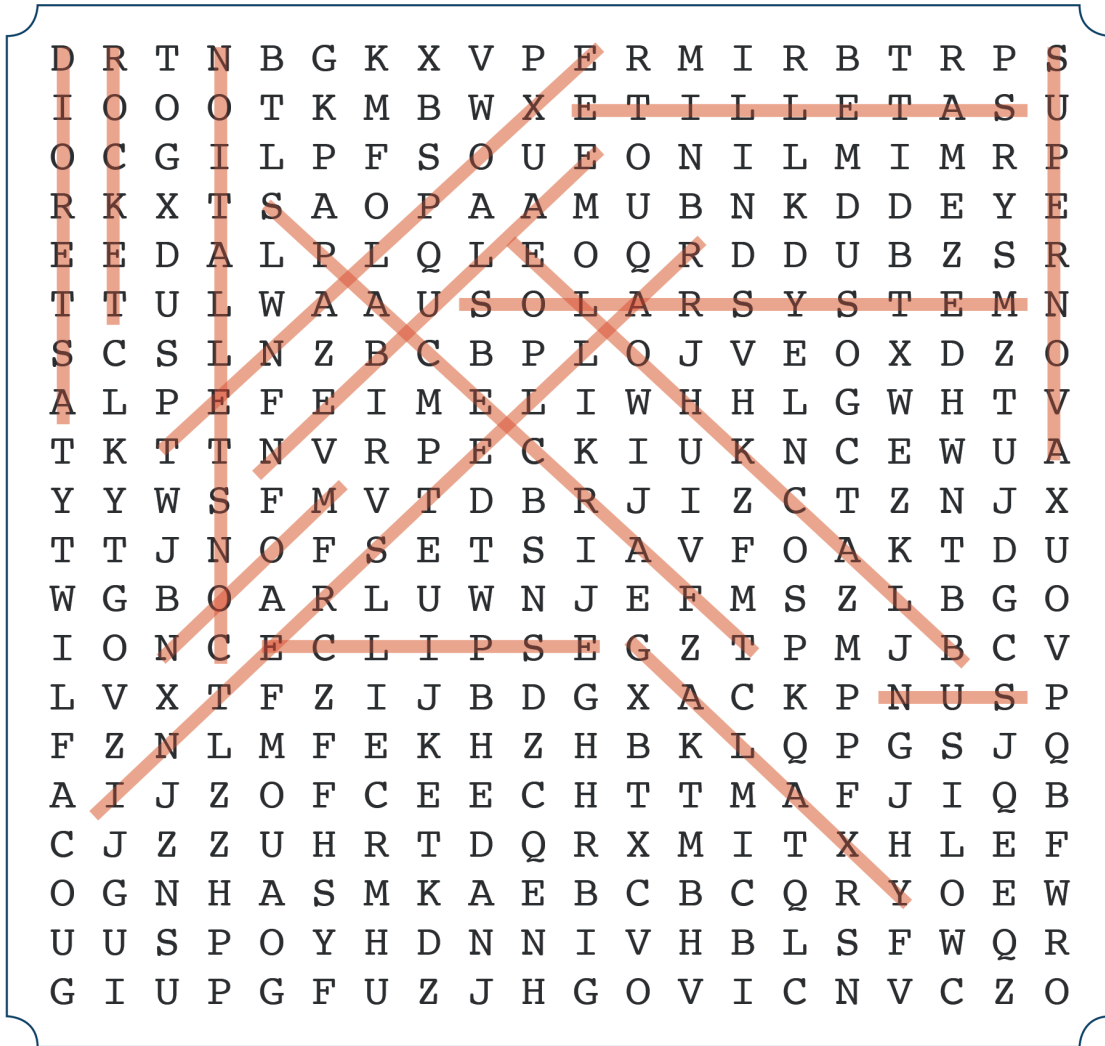


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ANSWERS: Across - 2. The Big Bang, 7. Asteroid, 8. Hubble, 9. Saturn, 11. Eleven, 12. Mars
Down - 1. Pluto, 3. Eclipse, 4. Galileo, 5. Hawking, 6. Orion, 10. Mercury, 12. Milky Way



THE UNIVERSE WORDSEARCH ANSWERS



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- | | | |
|---------------|--------------|--------------|
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| BLACK HOLE | INTERSTELLAR | SOLAR SYSTEM |
| CONSTELLATION | MOON | SPACECRAFT |
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