

# Morning Starters: Autumn 2 - Forces of Nature

## Word Challenge

Complete the list of words below by identifying the missing letter:

1) \_ c i e n \_ \_ s t \_

2) \_ i \_ t h

3) \_ i s c \_ v e r \_

4) n \_ c \_ \_ \_ r

Help: All of the words can be found in the 'Did you know?' paragraph.

## Grammar Challenge

Click text to edit 

Copy and complete the sentence below.

"I can't believe what I've just discovered!" exclaimed the scientist as she ...

Now write a second sentence that follows on from this one.

## Did You Know?

For a long time, scientists believed there were four forces of nature: gravity, electromagnetism, and the strong and weak nuclear forces that hold atoms together or break them apart. However, scientists are now exploring the possibility of a fifth force – a mysterious force that might explain why stars, planets and life itself exist. This discovery could solve some of the universe's greatest puzzles!



Credit: BBC REEL

## Number Challenge

The Fives Challenge

Is it possible to make the numbers 1 to 10 using just the number five?

Example:

$$1 = (5 + 5) \div (5 + 5)$$

Help: You can add, subtract, multiply or divide the number five.

## Critical Thinking

Which of life's 'big puzzles' would you like to solve?