

## Morning Starters: Autumn 2 - Forces of Nature

### Word Challenge


#### Boggle Challenge

**Connect the letters below to create some words that relate to the information on this page.**

i	t	y	p
v	g	d	o
a	r	e	l

**Note:** Only letters next to each other can be connected. You can connect letters horizontally, vertically or diagonally.

### Grammar Challenge

Click text to edit 

**Copy and complete the sentence below with an effective simile.**

The Northern Lights were like...

**Example:** The Northern Lights were like glowing paint, sweeping across a dark canvas.

### Did You Know?

The Earth is like a gigantic magnet, with a magnetic field stretching far into space. At the North and South Poles, this field interacts with charged particles from the Sun to create auroras – brilliant displays of light in green, purple and red. These lights are called the Northern and Southern Lights. The Earth's magnetic field not only creates these beautiful effects but also shields us from harmful solar radiation.



Credit: BBC Four - Dangerous Earth

### Number Challenge

**Fact:** The Earth's magnetic field extends up to 65,000 kilometres above the planet's surface.

**Write some multiplication and division number sentences that equal 65,000.**

**Example:**

$$13 \times 5,000 = 65,000$$

$$130,000 \div 2 = 65,000$$

### Critical Thinking

"The best things in life are free."

**Is this famous saying sometimes, always or never true?**

**Why do you think this?**