

# The Northern Lights

SCIENTIFIC NAME: AURORA BOREALIS

1. THE NORTHERN LIGHTS IS CAUSED BY CHARGED PARTICLES MOVING WITH THE SOLAR WIND.

2. DRAGGED INTO THE ATMOSPHERE BY THE EARTH'S MAGNETIC FIELDS AT THE POLES THE PARTICLES COLLIDE WITH NITROGEN AND OXYGEN ATOMS.

3. THE COLLISIONS RELEASE FLASHES OF COLORED LIGHT.



## The color

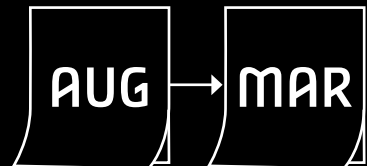
DEPENDS ON THE HEIGHT IN THE ATMOSPHERE WHERE THE PARTICLES COLLIDE SINCE THE COMPOSITION OF ATOMS VARIES:

	RED ABOVE 150 MILES
	GREEN UP TO 100 MILES
	PURPLE ABOVE 60 MILES
	BLUE UP TO 60 MILES

## Ideal conditions

THE FOLLOWING WILL GIVE YOU THE BEST OPPURTUNITY TO CATCH THE NORTHERN LIGHTS:

- A CLOUDLESS SKY
- NO LIGHT POLLUTION



## Abisko

IS CONSIDERED ONE OF THE BEST PLACES IN THE WORLD TO ENJOY THE PHENOMENON ACCORDING TO LONELY PLANET.

THE OVAL ZONE ABOVE THE POLES, WHERE THE MAGNETIC FIELDS ARE PERPENDICULAR TO THE SURFACE OF THE EARTH THROUGH THE ENTIRE ATMOSPHERE, FORMS AN AURORAL OVAL DIRECTLY ABOVE THE LITTLE MOUNTAIN VILLAGE.

