

50 SCIENCE QUARKS - VOL I

A compilation of Science Quarks to take you on a mesmerizing journey. Explore the hidden secrets of the universe.





WHAT CAUSES THE NORTHERN LIGHTS?

The Northern Lights are most visible in the night from the belt which connects Central Alaska, Canada, the southern tip of Greenland, Iceland and the Northern parts of Scandinavia. The sun produces solar winds consisting of a large amount of erupted gas that is hurled out into space. The particles of the solar wind get deflected by the earth's magnetosphere towards the poles. These high-speed beams of particles collide with the Nitrogen and Oxygen atoms in the earth's atmosphere and excite them to the state that they start emitting colourful dazzling lights. This phenomenon is called the aurora borealis.

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