Science Fables

The Dancing Lights in the Sky

Story Quiz

This quiz follows Maya and Leo as they discover how the Northern Lights form and why they appear in different colors.

1. What are the Northern Lights also called?

A. Solar clouds
B. Aurora borealis
C. Moon ribbons
D. Polar rainbows

2. Where do the charged particles that help create the Northern Lights come from?

A. The Moon
B. Earth's oceans
C. The Sun
D. Distant stars

3. What helps guide the charged particles toward Earth's polar regions?

A. Earth's magnetic field
B. Ocean currents
C. Gravity from the Moon
D. Strong winds in the atmosphere

4. What happens when charged particles collide with gases in Earth's atmosphere?

A. The gases freeze
B. The gases release light
C. The sky produces rain
D. The particles turn into clouds

5. Which gas commonly produces green and red auroras?

A. Hydrogen
B. Oxygen
C. Carbon dioxide
D. Helium

Answer Key

1. B — Aurora borealis

The Northern Lights are also called aurora borealis.

2. C — The Sun

The charged particles that help create the Northern Lights come from the Sun.

3. A — Earth's magnetic field

Earth's magnetic field helps guide the charged particles toward the polar regions.

4. B — The gases release light

When charged particles collide with gases in Earth's atmosphere, the gases release light.

5. B — Oxygen

Oxygen commonly produces green and red auroras.