

Aurora Video

Name: _____

Date: _____

1. What type of charged particles are emitted from the Sun's Corona?
 - A. Hydrogen and Helium atoms
 - B. Protons and Electrons
 - C. Oxygen and Nitrogen atoms
 - D. Ions and Isotopes

2. What usually protects Earth from the charged particles emitted from the Sun?
 - A. Earth's gravity
 - B. Earth's atmosphere
 - C. Earth's magnetosphere
 - D. Earth's hydrosphere

3. What events can overwhelm Earth's magnetosphere, causing charged particles to be directed by the magnetic field lines towards Earth's poles?
 - A. Coronal Mass Ejections
 - B. Solar Eclipses
 - C. Lunar Eclipses
 - D. Meteor showers

4. What atoms or molecules in Earth's thermosphere do the charged particles collide with?
 - A. Carbon dioxide and ozone molecules
 - B. Oxygen and Argon atoms
 - C. Oxygen and Carbon atoms
 - D. Oxygen and Nitrogen atoms

5. What color lights are most commonly seen during aurora events?
 - A. Red, orange, yellow, green, blue, indigo, and violet
 - B. Green, bright red, deep red, and blue
 - C. Purple, pink, teal, and neon green
 - D. Gold, silver, and copper