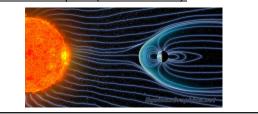
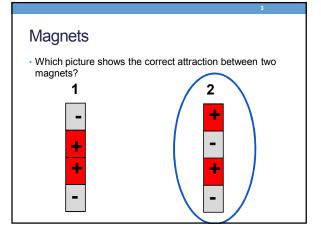
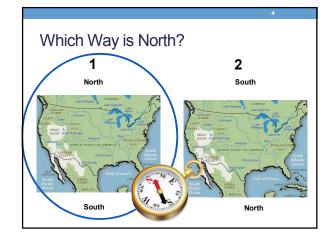
# EARTH'S MAGNETIC FIELD

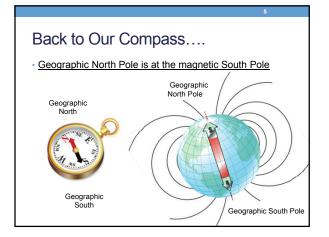
### Introduction Video

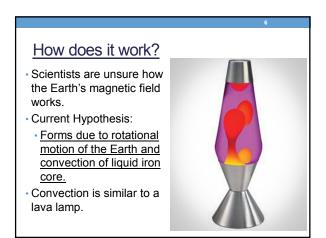
- What is the Earth's Magnetic Field?
  <u>https://www.youtube.com/watch?v=yEYy\_nVC4L0</u>
- Earth's Magnetic Field extends from Earth's interior and has two poles (north and south).









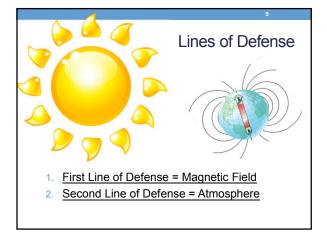


#### Why do we need it?

- Review: What was the role of Earth's atmosphere in relation to electromagnetic radiation?
   Protect/filter the radiation from the Sun
- The Sun and other events such as exploding stars can also emit cosmic radiation
- <u>Cosmic Radiation are very energetic particles</u>

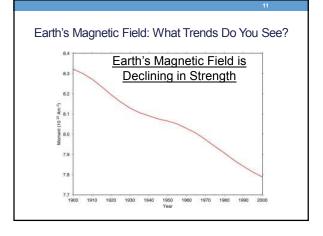
#### Today's Main Idea

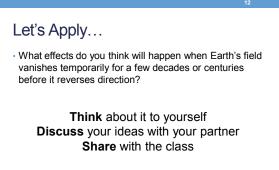
Earth's magnetic field protects the planet from harmful effects of radiation, especially cosmic radiation.



### How long will it last?

 Magnetic Field Reversal: <u>https://www.youtube.com/watch?v=igGsuDYxhEA</u>





#### Homework

2. Explore today's main idea with this question: <u>How is an aurora formed?</u> Helpful Textbook Page: <u>807</u>

# Vocabulary for Next Time

- <u>Photosynthesis</u>
- <u>Glucose</u>

Helpful Textbook Pages: 683 and Dictionary