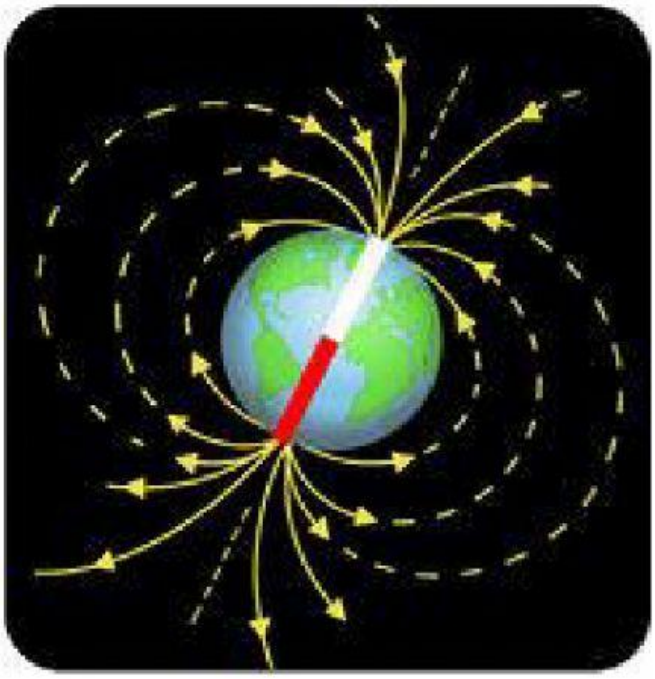
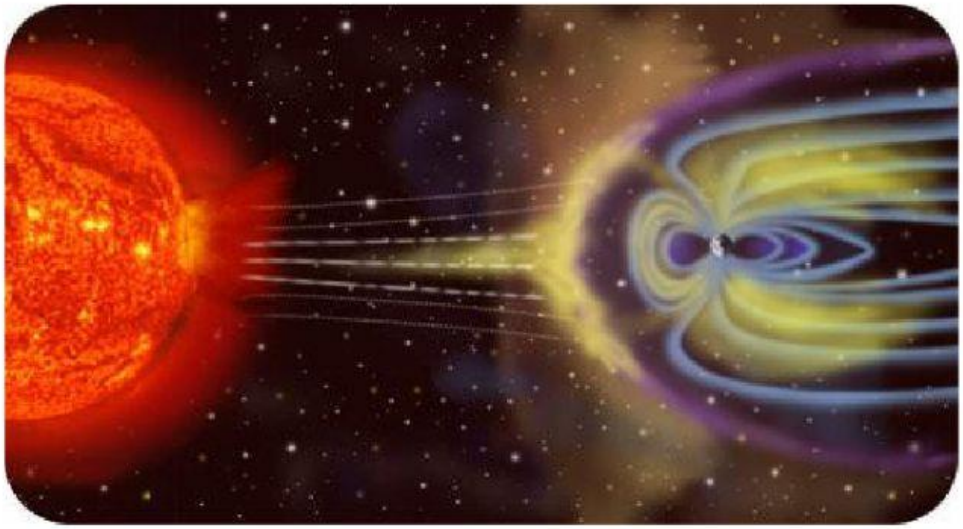
3.3 Earth's Magnetic Field





LIVEWORKSHEETS

1. Why does Earth have a magnetic field?

2. Why is it important for Earth to have a magnetic field?

3. What is a magnetic field reversal?

LIVEWORKSHEETS

1. What generates Earth's magnetic field? Why is the magnetic field important?

2. What is a magnetic field flip? Roughly how often does it happen?

3. Why do scientists interested in Earth's magnetic field collect cores from rocks at the Mid-Atlantic Ridge?

LIVEWORKSHEETS

4. When was the last major magnetic field flip?

5. How do ancient pottery give scientists clues about Earth's magnetic field? Why is it more precise than rocks?

6. When Earth's magnetic field strength was high and when was it lower (note that BCE means before current era and years correlate with the BC and AD system)?

7. What has happened to magnetic north since it was first located in the early 19th century? How has the field changed in the past two centuries?

LIVEWORKSHEETS