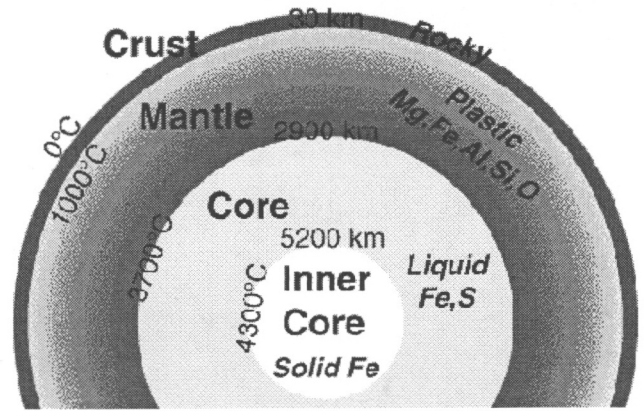


NOVA – “Magnetic Storm”

While viewing the video, answer all of the following questions to the best of your ability. Be prepared to discuss the main issues presented in the video for next class.



1. How do scientists believe that Earth's magnetic field was created?
2. Describe the role of the magnetic field in shielding our planet from radiation.
3. Provide examples of how scientists study changes in the direction and strength of Earth's magnetic field.
4. What processes occur in Earth's core?

5. What is a magnetic field reversal?

6. Describe the flipping of the poles (as shown through the computer model).

7. Explain how the cooling of the Earth's core will cause a weakening magnetic field.

8. Why will a changing magnetic field affect life on earth?