1. How far down is the Earth’s core?
2. What is the Earth’s core made of?

3. The Earth’s _______________________ is generated in the core.
4. What have scientists recently discovered about the field?

5. The ___________________ is created deep in the Earth’s core. It streams out near the ____________________, loops around the planet, and then runs back into the core near the ____________________________.
6. The magnetic field protects us from _________________ from space.
7. Every few hours, the _____ ejects billions of tons of charged particles – the solar _____________.
8. The only evidence of the particles hitting the magnetic field are the _____________ and ______________ lights.
9. In 1996, NASA sent a satellite to ________________
10. Does Mars currently have a magnetic field?

11. There is a way _______________ rocks can be __________________ when they form. If molten rock cools in a strong ____________________________, ironbased minerals in it can pick up that magnetism and the resulting solid rock will itself be ________________.
12. Mars began to lose its water and atmosphere about ____________________ years ago.
13. Clay contains tiny particles of a mineral called _____________________________.
14. Clay does not become magnetic until it is ____________________ and cooled.
15. In _________ years, the field has decreased ________%.
16. Its really ______________ inside the Earth’s core that gives rise to the magnetic field.
17. The liquid metal in the core is in constant ________________.
18. Mars may have lost its magnetic field because its core ____________________ and became solid.
19. Why don’t scientists think that Earth’s core cooling down is the cause of the decrease in strength of our magnetic field?
20. Going back about 700,000 years, the Earth’s magnetic field was
________________.
21. On average, reversals happen once every _______________ years.
22. On the computer simulation, every time a field reversal was about to happen, the strength of the
magnetic field would ________________.
23. Eighteenth and nineteenth century sailors had to know the difference
between____________________________ north and________________________ north.
24. During the weakened state of the magnetic field, the Earth may have as many as_______
    magnetic poles.
25. About __________________ people per year would die as a result of increased
    exposure to radiation.
26. It might be possible to see the _________________ every night.