

Name \_\_\_\_\_

POLAR STORM

1. What extraterrestrial object was passing close to the Earth and what was its name?  
a. \_\_\_\_\_ b. \_\_\_\_\_
2. What affect does the sun have on gases in the comet? \_\_\_\_\_
3. What does "orbital fulcrum" mean? \_\_\_\_\_
4. A \_\_\_\_\_ storm from the comet was causing blackouts on Earth.
5. What was the size of the fragment that broke off? \_\_\_\_\_
6. What was the fragment's speed? \_\_\_\_\_
7. Were the Earth's tectonic plates affected by the impact, and if so, how?  
\_\_\_\_\_
8. What did Dr. Mayfield notice different about the sun? \_\_\_\_\_
9. On what other planet are we aware of polar reversals? \_\_\_\_\_
10. What always occurred immediately after there was interference with radio waves?  
\_\_\_\_\_
11. What is thought to be the frequency of pole reversals? \_\_\_\_\_
12. Name two natural phenomenons that were happening in unusually high occurrences. 1. \_\_\_\_\_ 2. \_\_\_\_\_
13. What causes auroras to occur? \_\_\_\_\_
14. How were Earth's satellites affected by the auroras? \_\_\_\_\_
15. What was the first plan to realign the poles? \_\_\_\_\_
16. Why did the first plan fail? \_\_\_\_\_
17. What plan worked to realign the poles? \_\_\_\_\_
18. In your opinion, what parts of this movie are science fact and science fiction? Please list 3 of each and explain why. Write on back of this page if more room is needed.

