

Name: \_\_\_\_\_

Period: \_\_\_\_\_

## The Sun Documentary

- 1) Our sun is a type of star known as a \_\_\_\_\_ dwarf
- 2) How many other “stars” are in our galaxy? \_\_\_\_\_
- 3) In \_\_\_\_\_ second, the sun gives off more energy than all that has been used by human civilizations.
- 4) How does the sun generate electricity? Draw the process of nuclear fusion
- 5) Particles of light and heat are called \_\_\_\_\_. These are what bring the warming rays of the sun to Earth.
- 6) What element lies below us that gives scientists signs that a massive explosion must have created our sun and solar system? \_\_\_\_\_
- 7) \_\_\_\_\_ million miles away is just the right distance from the sun for life to exist. Not too hot and not too cold.
- 8) What happens to magnetic field lines as the sun is turning at different rates?
- 9) Prominences are so large, that you could fit planet \_\_\_\_\_ through them
- 10) Dark blemishes on the sun are called \_\_\_\_\_
- 11) The most colossal explosions in the universe are called \_\_\_\_\_ flares
- 12) What organization (4 letters) is watching the sun to alert us if anything from the sun puts us in danger \_\_\_\_\_
- 13) Which country was mostly blacked out due to a solar event?  
\_\_\_\_\_
- 14) While the sun can be dangerous, it can also create beauty with light shows called \_\_\_\_\_ (similar to neon lights)
- 15) The “perfect” solar storm occurred when? \_\_\_\_\_