



NOVA - 2012

Secrets of The Sun Movie Sheet!

Name _____

Period _____

Watch the NOVA special 'Secrets of the Sun' and fill in the blanks to the questions below. Pre-reading the questions will help answer as well as stay focused during the video.

- 1] How many miles is the Sun from the earth? _____
- 2] What does **C. M. E.** stand for? _____
- 3] When was Quebec, Canada hit by a **C. M. E. wave**? _____
- 4] How long does the National Academy think it would take recover from a Massive **C. M. E. event**? _____
- 5] What is the temperature in the Sun's Core? _____
- 6] The new science of studying the Sun's vibrations is referred to as? _____
- 7] How hot is the Sun's Plasma? _____
- 8] About how many Hydrogen Bombs worth of energy is created by the Sun every second? _____
- 9] The path of the Photons through the Sun's plasma is called the? _____
- 10] About how big are the "Granulation Cells" on the Sun's surface? _____
- 11] What was launched in Feb 2010 by NASA? _____
- 12] The Sun's corona, is made of super -hot plasma that is how hot? _____
- 13] What is a Sun Spot? _____

- 14] What does the term "Solar Minimum" refer to? _____

- 15] According to the video, when is the next large Solar Maximum due? _____