Quiz

- 1) A magnetosphere is:
 - a. The layer of a planet that contain its atmosphere
 - b. The outer region of the Sun
 - c. The region where charged particles are moved by the magnetic field
 - d. The region out of the Solar System where the Sun's ejected material moves
- 2) The core is:
 - a. The name associated to the center of the sunspots
 - b. The region of the Sun where the flares are produced
 - c. The coolest region of the Sun where the energy is absorbed by atoms
 - d. The region where all energy comes from
- 3) The chromosphere is:
 - a. The layer that can be observed only with h-Alpha telescopes
 - b. The region where photons are produced
 - c. The layer that can be observed only with visible telescopes
 - d. The layer that has more density
- 4) The sunspots are:
 - a. The remaining of comet impacts
 - b. The places where light is not emitted
 - c. The places where magnetic fields go outside and inside the Sun
 - d. The hottest elements on the Sun's surface
- 5) About the geomagnetic storms:
 - a. They are composed by powerful magnetic fields without charged particles
 - b. Some of them are produced every decade and they are very powerful
 - c. They produces the planet's magnetic field
 - d. They never affect to our magnetic field
- 6) The Sun has:
 - a. Approximately 26 less times the angular velocity of the Earth.
 - b. Approximately 26 more times the angular velocity of the Earth
 - c. Almost the same angular velocity than Earth
 - d. Different angular velocity depending of the intensity of its activity
- 7) Based on the results, the Sun rotates:
 - a. Faster as we get closer to its poles
 - b. Slower as we get closer to its poles
 - c. At different rates in different longitudes
 - d. At different rates depending on the hemisphere
- 8) The size of a sunspot:
 - a. Can be calculated by its temperature
 - b. Is bigger as we get closer to the equator
 - c. Depends on the perspective
 - d. Can be calculated using visible images

9) A sunspot:

- a. Cannot be bigger than the size of the Earth
- b. Is hotter than its surroundings
- c. Can has several times the size of the Earth
- d. Cannot appear while the solar maximum

10) To track sun rotation:

- a. We need more than one sunspot
- b. We need more than one image
- c. We need to be in a solar minimum
- d. We need to use a space telescope