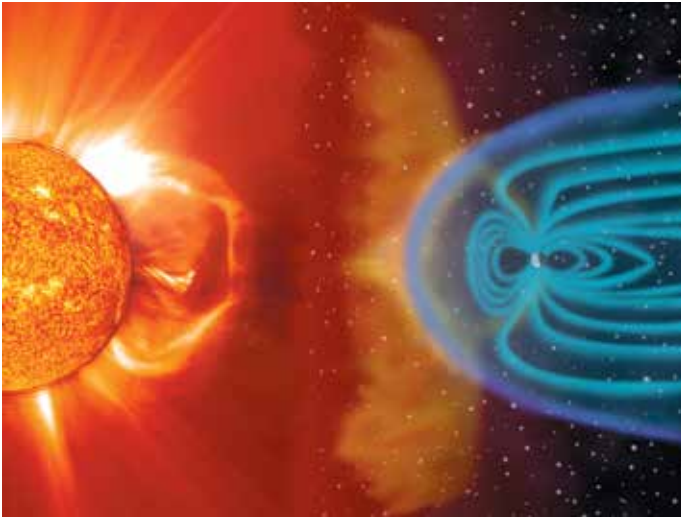


Solar Storm Warning and Protection Worksheet



Earth's magnetosphere during a solar storm

A diagram showing a storm on the Sun and the magnetosphere around the Earth. As the charged particles leave the Sun and arrive at Earth, many are pushed aside by our planet's magnetosphere. But some spiral inward and collide with the Earth at the poles. This drawing is NOT to scale; the Sun is much farther away from the Earth than this shows.

1. Imagine that you are one of the Space Weather Prediction Center forecasters and that you have just seen a big coronal mass ejection from the Sun. It looks like it's heading in the direction of planet Earth. From its speed, you and your colleagues estimate it will reach Earth in 2.5 days.

Make a list of the different kinds of organizations and people you will want to notify about the coming solar storm:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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2. Now select four of the organizations or types of people you listed, and discuss what they might do in those 2.5 days to protect against the coming solar storm.

- 1. _____

- 2. _____

- 3. _____

- 4. _____

3. What questions did you and your group members come up with about the above two issues?

- 1. _____

- 2. _____

- 3. _____

- 4. _____

- 5. _____

- 6. _____
