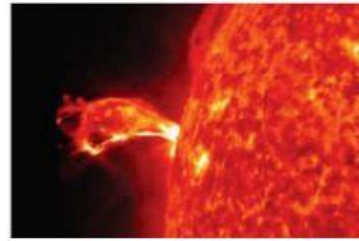
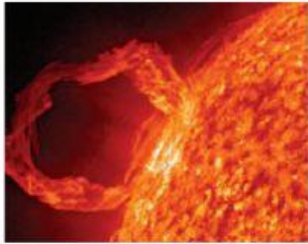


CHAPTER 9: SPACE WEATHER

1. Match the diagram with the correct phenomena that occur on the surface of the Sun.

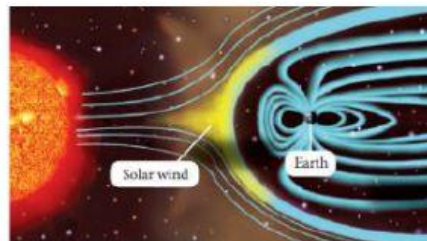
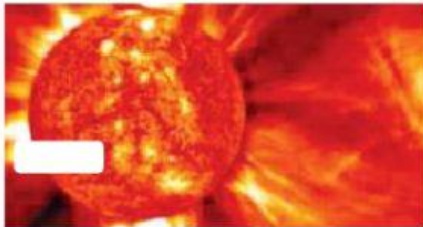


solar flare

solar wind

coronal mass ejection

prominence



2. Which the Sun's phenomenon that causes the formation of magnetosphere?

3. State **one charged particle** released from the Sun to the Earth.

4. The text below describes the importance of Earth's magnetosphere. Fill in the blank with the correct answer.

The magnetosphere:

- functions as a to protect life on Earth from the adverse effects of solar wind
- such as electrons, protons and alpha particles in the solar wind from reaching Earth. Excessive numbers of charged particles in Earth's atmosphere will disrupt telecommunication, navigation system and electric power lines
- exerted by solar wind on Earth's atmosphere

5. Diagrams show applications of technology in space exploration. Match the correct answer.



space shuttle

rocket

