

9.2 Space weather

1. Fill in the blanks with the correct words:

radiation	astronauts	surface	Coronal mass ejection	phenomena
geomagnetic	technology	protons	Outer space	economy

a) Space weather is defined as the _____ that occur on the _____ of the Sun and in _____ such as solar flare, prominences, sunspot, solar wind and _____ storm.

b) The study of the space weather is important to our national_____ because solar storm that occur in space can affect the advanced_____. Energy and _____ from solar flares and _____ can also harm _____ in space.

c) In solar radiation storms, high speed _____ shoot outwards from the Sun.

2. Space weather is related to processes that affect Earth, lives and technology devices.

a) Mark (✓) or (X) in the space indicating the area involved with the processes.

Thermosphere		Moon	
Stratosphere		Sun	
Magnetosphere		Ionosphere	

b) The followings are the processes that influence the space weather. Match the process with its impact.

Geomagnetic storm	Beautiful scenery as tourist attraction
Solar Radiation storm	Affecting and damaging satellites
Ionosphere interference	Disturbing the function of telecommunication system
Aurora	Disturbing the radio waves

3. The diagram below shows a colourful sky phenomena.



a) Name the phenomenon.

b) The phenomenon occurs when gas particles in the

react with the atoms and in the Earth's . The gas particles from the coronal mass ejection also lead to this phenomenon.

c) This phenomenon usually occurs in the Earth