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	

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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 satelites
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 _____

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