

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**ASTR108: Descriptive Astronomy Spring 2008**

1) What are three colors commonly observed in the Aurora?

GREEN, Red, Magenta, ... some bluish

2) Describe why different colors are produced in different altitude ranges

The chemical composition and the density of the atmosphere change with altitude

3) Where do the particles that produce auroral precipitation originate?

They originate mainly in the plasmasheet of the earth's magnetosphere ... Where are those particles from? Some are from the solar wind and some are from the Earth's ionosphere and upper atmosphere

4) Where are you most likely to observe the aurora?

The polar regions where the Earth's magnetic field converges.