1. (5 points) Why are aerosol concentrations generally higher over land than over water?

2. (12 points) There were four main groups of clouds mentioned in lecture. Give an example from each category and list the characteristics associated with each.
3. (12 points) Name and describe the four types of fog:

4. (10 points) This week, take a picture of a two types of clouds. State the type of cloud along with a description of that cloud. Things you may want to mention: What day you took the picture. Where did you see the cloud? Was there unique topography near? What was the general cloud cover like when you took the picture? You can submit the photos via email to your instructor. Make sure to label the pictures by name of cloud and a numeric designation that matches your description.
5. (12 points) Label the cloud pictures using the following cloud types:
cumulonimbus, lenticular, cirrus, mammatus, cirrocumulus, stratus
6. (12 points) The following two images are visible (top) and infrared (bottom) satellite imagery from the Windsor tornado of May 22, 2008. This day featured a wide variety of low and high clouds. Match the cloud types with the lettered regions in the following visible/infrared imagery.

Cumulus
Stratus/Fog
Cumulonimbus
Cirrus