

The final exam is comprehensive, so review all the previous study guides as well.

What factors are important in the formation of hurricanes?

What are the stages in Hurricane development?

Explain the formation of the “eye” of a hurricane.

How are the hurricanes modeled in the computer? What parameters are outputs? Why are these characteristic of all meteorological models?

What are the sources of damage with a hurricane?

What factors determine the height of the storm surge?

Why are FEMA officials especially frightened about a major hurricane hitting New Orleans as opposed to say Miami?

Explain how the separation of charges develops in thunderstorms and causes lightning.

Explain the formation of hail. What color(s) are associated with a hail-producing thunderstorm?

How can weather conditions contribute to the frequency and intensity of air pollution episodes?