Earth System Science 5: THE ATMOSPHERE / Homework 6 (due 6/7/2006)

Name_____ Student ID_____

SHORT ANSWER. (6 points per question)

1) Most tornado damage is caused by _____.

2) Downdrafts that occupy the entire base of the cloud spell the end of this type of storm: _____.

3) The Fujita scale has _____ levels and _____ categories.

4) Globally, air mass thunderstorms are most common near this latitude: _____.

5) A circular cluster of strong thunderstorms is a _____.

6) When the area of rotation of a mesocyclone decreases in size, its wind speed _____.

7) Cloud–to–cloud lightning is called _____.

8) The safest place to be when a tornado strikes is _____.

9) This type of thunderstorm is self extinguishing:_____.

10) This tool is especially useful in studying supercell storms: _____.

ESSAY. (20 points per question)

11) Describe one way in which nonsupercell tornadoes can form.

12) What is the Fujita scale? Into what category do most tornadoes fall?