

ESS11: CLIMATE CHANGE AND POLICY

Homework # 4

(due Tuesday - 24 February)

1. Explain why mid-latitude weather tends to be wilder in the winter than in the summer.

2. (a) What are the warm and cold fronts?
(b) What kinds of clouds are associated with the warm and cold fronts?

3. (a) What is the strongest west wind, that occurs in mid-latitudes of both hemispheres, called?
(b) What is the relationship between this strongest westerly wind and the mid-latitude weather systems?

4. Hurricanes are a major weather phenomenon in the tropics. What other names do we use for tropical hurricane, and where are these names used?