

Chapter 3 Study Guide

Vocabulary: Define the key terms on a separate sheet of paper OR on flashcards

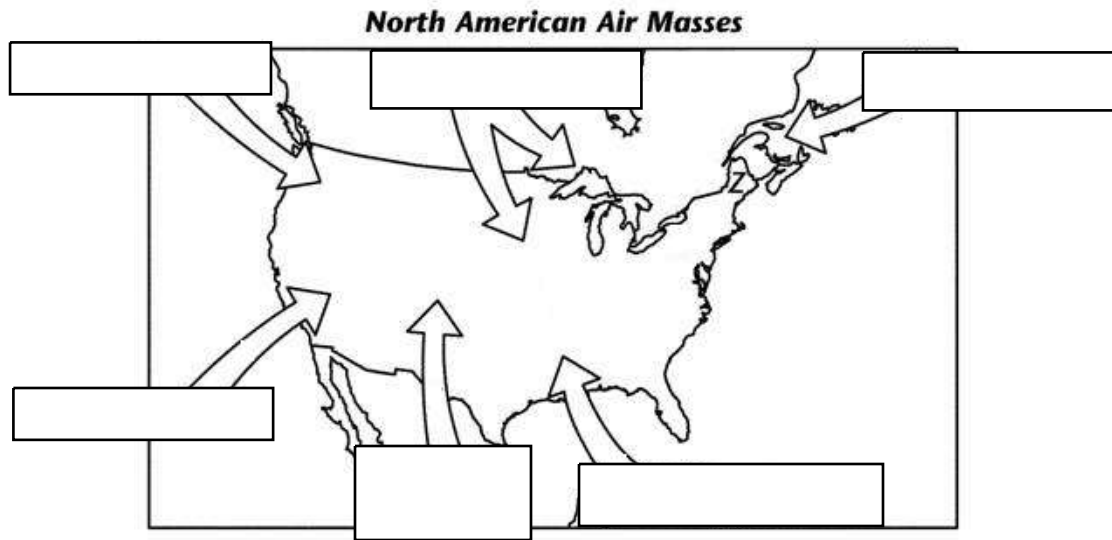
storm	tornado watch	eye	maritime
thunderstorm	tornado warning	Saffir-Simpson scale	continental
tornado	waterspout	hail	fronts
tornado alley	hurricane	tropical	meteorologists
Fujita scale	storm surge	polar	

Section 1: Air masses and Fronts

1. List and describe the temperature and humidity of the four major air masses

Type of Air Mass	Temperature (warm or cold)	Humidity (moist or dry)

2. Label the air masses on the map below



3. Fill in the table below and be able to identify these fronts on a weather map

Type of Front	Symbol	How it forms	Type of Weather

Section 2: Storms

4. What states are located in tornado alley?
5. When do thunderstorms usually occur (what months)?
6. What are the characteristics of a thunderstorm?
7. Describe Lake-Effect Snow.
8. Create a Venn Diagram comparing and contrasting tornadoes and hurricanes
9. Explain how a hurricane in the Atlantic Ocean forms and travels. (include the progression of storm types/names, wind speeds, describe the pathway of typical Atlantic hurricanes, and explain what happens)
10. Explain what causes thunderstorms (including the lightning and thunder)