

October 21, 2015

Unit 12

Air masses, source regions, maritime tropical, continental tropical, maritime polar, continental polar, continental arctic, maritime equatorial, movements of air masses. Lifting mechanisms; convergent-lifting precipitation, ITCZ, frontal precipitation – fronts, warm fronts, cold fronts; convectional precipitation, air-mass thunderstorms; orographic precipitation, rain shadow effect.

Unit 13 (Only doing a portion of the unit)

Two Weather examples: Hurricanes and Midlatitude Cyclones. Easterly waves, tropical depression/storm/cyclone, Hurricanes. Polar jet stream, cyclogenesis, Weather sequence in a midlatitude cyclone (p. 164).

Unit 14

Climate, climate normal, climate classification (and pros and cons). Climographs. Koppen climate classification system, Major Koppen groups [First Letter]: A (Tropical), B (Dry), C (Mild Mid-latitude), D (Severe Mid-Latitude), E (Polar), H (Highland). [Second Letter]: f, m, w (Tropical modifiers), s, w, f (C & D modifiers)T, F (Polar modifiers), S, W (Dry modifiers), concept of the hypothetical continent

Unit 15

Tropical (A) and Dry (B) climates. Rainforest (Af), Monsoon Forest (Am), Savanna (Aw), Desert (BW), Steppe (semi-arid) (BS).