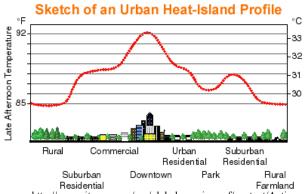
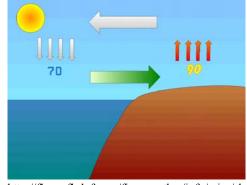
CE 326 Principle of Environmental Engineering **Air Pollution Meteorology**

I.	Atı	mospheric Engine
_	atn	nospheric s (and weather) is a function of
t		and p
_	wii	nd flows from h pressure areas to l pressure areas
_	in a	absence of earth's rotation, wind would be p
to c	cons	stant pressure lines (i)
_	ear	th's rotation creates C effect
II.	Atı	mospheric Stability
_	ten	dency of atmosphere to r or e
ver	tica	l air movement is termed s
_	the	re are three categories of stability depending on the l
r		_ – rate of temperature change as a function of elevation
	a.	neutral – d al r
	b.	unstable – s lapse rate
	c.	stable – s lapse rate
		i. isothermal – no change in t with
		e
		ii. i – temperature increases with elevation
III.		Terrain Effects
	A.	H I E
	A.	 mass of material that a and e
	A.	 mass of material that a and e heat at a greater rate than surrounding area
	A.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l
	A.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources
		 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s
		 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze
		 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea - l
		 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea – l breeze
		 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea - l
	В.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea – l breeze land h faster during day – s b
	В.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea - l breeze land h faster during day - s b Valleys
	В.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea – l breeze land h faster during day – s b Valleys valleys at an a to the prevailing
	В.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea – l breeze land h faster during day – s b Valleys valleys at an a to the prevailing wind will direct a portion of wind into the valley
	В.	 mass of material that a and e heat at a greater rate than surrounding area stability over heat islands is l good for g l sources bad for t s Land/Sea Breeze land c more rapidly at night than sea – l breeze land h faster during day – s b Valleys valleys at an a a to the prevailing wind will direct a portion of wind into the valley valleys oriented in the ns direction
	В.	 mass of material that a and e
	В.	 mass of material that a and e
	В.	 mass of material that a and e



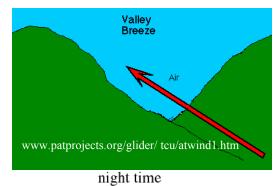
http://yosemite.epa.gov/oar/globalwarming.nsf/content/Actio ns Local Heat Is land Effect. html? Open Document



http://flame.fl-dof.com/fire weather/info/misc/sb.html



http://www.atdd.noaa.gov/ETOS/program.html



http://apollo.lsc.vsc.edu/classes/met 130/notes/chapter 10/mtn.html