CORAL REEFS

•	GENERALLY LOCATED IN WARM REGIONS BETWEEN 35° N AND 35°S
•	Three PRIMARY REGIONS FOR CORAL REEFS - Indo - Pacific Ocean) - Red Sea
	- Whater Atlantic (including Caribbean) - Wo % of world's reef found in Indian Ocean and Red sea
	 25 % in Pacific 15 % in Western Atlantic and Carribbean
•	TYPES OF CORAL REEFS
•	Three Main Types: - 1. Fringing - 2. Barrier - 3. Atol
FR.	INGING REEFS
•	Most <u>COmmon</u> Border <u>Sharelines</u> and grow on <u>continental Shelf</u> or around islands
•	Best conditions are
•	STRUCTURE OF FRINGING REEF
•	REEF FLAT (Back Reef): widest part, Shallow, sometimes exposed at low tide, slopes gently toward sea
	Most affected by sediment and freshwater runoff

1.

•	REEF SLOPE (Fore Reef): has cover of coral, most species, not	
	affected by <u>Sediment</u> or <u>nunoff</u>	
	provide circulation and nutrients and wash away sediment	
•	REEF CREST: Shallow upper edge of reef slope, usually has most	
	<u>luxuriant</u> coral growth (closer to sunlight)	
•	If a lot of wave action it will have more algal growth	
2. <u>BAI</u> more	RRIER REEF – occur <u>Auther</u> from shore than fringing reefs, 100km (60mi) or	
•	<u>Separated</u> from shore by fringing reefs with a <u>lagoon</u> in middle	
	made	
Parts of Barrier Reef:		
	Back-reef slope	
	Reef flat	
	Fore-reef slope	
	7900	
,	The Great Barrier Reef is the world's largest reef system composed of over 2,900	
	individual reefs and 900 islands stretching for over 2.400 kms (1,600 mi)	
	over an area of approximately 394,000 sq mi). The ree	
	is located in the Coral Sea, off the coast of Queensland in north-east Australia.	
	Sylvia Earle Barrier Reef	
	-	
3. <u>ATC</u>	OLL REEF: is a rung of reef, often an island, surrounding a central lagoon Most occur in The lagoon freef factor region (tropical Indian and Western	
•	Most occur in 100-10151 Facility region (tropical Indian and Western	
	Pacific oceans)	

Bottom primarily sand, mud, or coral rubble

CORAL EVOLUTION = FRINGING → BARRIER → ATOLL