San Francisco Coastal Geology Field Class

PREPARATION HOMEWORK FOR 1st FIELD DAY PREQUIZ

Read Field Guide Review document and the following pages from the textbook: Geology of the San Francisco Bay Region, Pgs. 1-17, 26-35, 48-63, 110-130, 134, 141-155, 180-183 **FIGURES OF NOTE:** Pg. 12: Plate 1, Pg. 14: Figure 2, Pg. 12: Figure 4, Pg. 30, Figure 9, Pg. 33: Map 4, Pg. 35, Figure 11, Pg. 54: Figure 17, Pgs. 112-115: Maps 11 and 12; Pg. 116, Figure 21, Pg. 119: Figure 23, Pg. 123: Map 13, Pg. 142: Figure 29, Pg. 143: Figure 30, Pg. 144, Figure 31

This activity will help you prepare for the online quiz, which is due by 6 am the Friday morning before the first field day.

1.	The continental shelf extends offshore of San Francisco about							
				ark the edge of	this shelf.			
	How deep is th	e water	at the ed	ge of the shelf?				
2.								
	few miles further west of the		of the					
	Farallons, over the abyssal		ssal					
	plains?							
3.	What happens							
	occasionally to	the						
	sediment that p	oiles						
	up on the							
	continental she	lf?						
4.	What do the							
	above carve							
	out as a							
	result?							
5.	Describe the	Grain	size:			Grain composition:		
	grain size							
	and							
	composition							
	of sand that is							
	<u>close</u> to its							
	source.		-					
6.	6. What is the general direction							
	of longshore current along t		ong the					
	Pacific Coastline?							
7.	7. What directions do tides							
	move along the	Califor	mia					
	Coast?				1			
8.	What is the mea							
	monthly differe		_	tween low and				
	high tide) in Sa							
9.				idstone sands	tone conglo	merate/breccia cher	t basalt granite serpentinite	
	forms when magmas							
	erupt on the bottom of							
	the seafloor? (ci							_
10.				artz Magnetit	e Chert Fe	eldspar Serpentinite	Black nonmagnetic Shells	
	found on a beach is clear							
	and glassy?							

PREPARATION HOMEWORK FOR 2nd FIELD DAY PREQUIZ

Review reading materials listed as preparation for the first field day.

This activity will help you prepare for the online quiz, which is due by 6 am the Friday morning before the first second day.

1.	What is the age	
	of the old	
	wave-cut	
	platform at Fort	
	Funston?	
2.	When was the	
	end of the last	
	ice age? (When	
	did water first	
	start to rise?)	
3.	What is the age	
	of the San	
	Andreas Fault?	
4.	What is the age	
	of the granite	
	that makes up	
	Mt. Montara?	
5.		g to the portion of
	San Francisco Bay	
	Francisco and San	
	between the Hay	vard and San
	Andreas Faults?	
6.		g to the region that
	sits east of the Ha	
	west of the San A	ndreas Faults?
7.	Where does the	
	San Andreas	
	Fault leave the	
	coastline?	
8.	What is the name	
		n to Ocean Beach?
	And where does	
	what part of the o	
9.	Where does the S	
	dump its sedimer	ıt today?
10.	What was one	
	of the main	
	strategies used	
	in Pacifica to	
	manage coastal	
	erosion at	
	Pacifica State	
	Beach?	