Name:				Pd.	Date			
				Soils Stu	ıdy Guide			
1.	Soil is a naturally occurring body of thick layers comprised of what two (2) things?							
	A.							
	В.				_			
0	\\/\	41 41 /2))					
2.	What are the three (3) ways that soil differs from parent material?							
	A.							
	В.							
	C							
	O.							
3.	There a	are five (5) soi	l-forming factors	Using the word	l bank match t	he word to the correct soil forming	a factor	
•			-	-			9 10.01011	
		climate	organics	slope	time	parent material		
		vegetation and animals (both decaying and root action)						
		how long it has been there (age)						
				the amount of rain and other biological factors				
					amount of water runoff			
				type of rock	the soil is made	e of		
4.	What to	wo (2) things o	an soil color tell	you?				
				•				
	A. B.							
	ъ.							
5.	What is	s used to deter	mine soil color?					
	A.	Mercalli Colo	r Scale					
	B.	Morse Color	Coding					
	C.	Munsell Colo	or Chart					

- 6. Match the Soil Color term with the correct definition
 - A. The lightness or darkness of the color

____ Hue

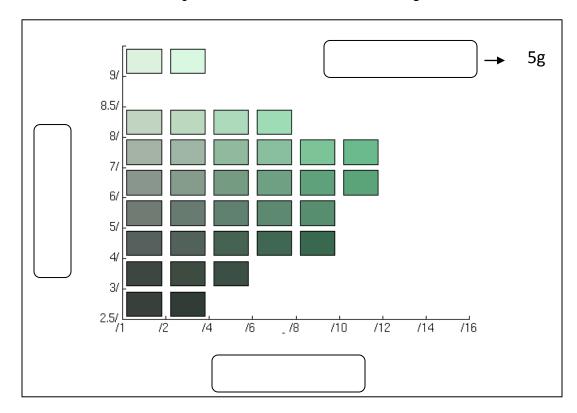
B. The strength or depth of color

____ Value

C. The relation of the color to red, yellow, green, blue or purple.

____ Chroma

7. Below is a Soil Color Test Page. Label the boxes with the following information: Chroma, Hue, Value



8. Given the following: 6R2/7, identify the following:

Value: _____

Hue: _____

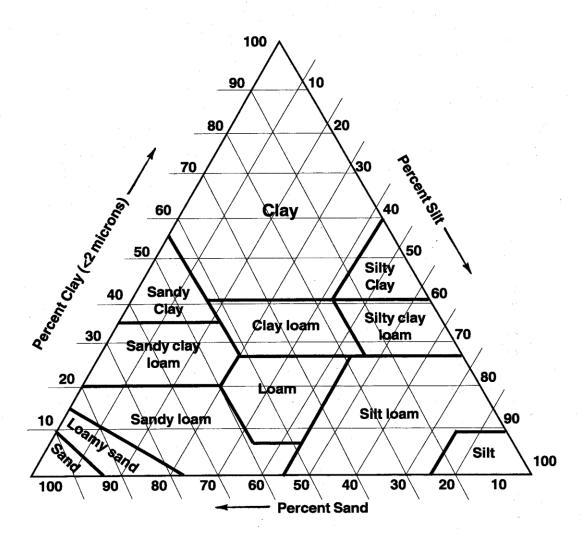
Chroma: _____

9. How does weathering differ from erosion?

associated with each type of we	eathering.		
Types of Weathering			
Things associated with that type of weathering	1.		1.
3	2.		
	3.		
11. What three things cause erosio A. B. C. 12. Write the name of each type of 13. Write the name of each soil sep	coarse faction	next to the correct size. 75mm – 200mm greater than 600mm 2mm - 75mm 250mm – 600mm	

10. There are two types of weathering. Complete the weathering chart noting the types of weathering and the things

15. Using the textural triangle, identify the type of soil present.



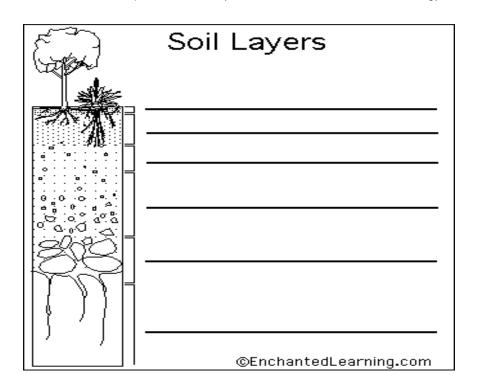
	Percent Sand	Percent Silt	Percent Clay	Soil Texture
Soil 1	93	6	4	
Soil 2	34	21	62	
Soil 3	50	17	31	
Soil 4	10	43	48	
Soil 5	45	35	20	

- 16. Using the words sand, silt, clay or loam; answer the following questions:
 - A. Which soil separate would allow water to drain the fastest?
 - B. Which soil separate would not allow water to drain easily?
 - B. Which soil separate decreases porosity?
 - D. Which soil separate increases permeability?
 - E. Which soil type is considered a perfect soil? Why?

17. Match the soil horizon with the correct definition

B Horizon	R Horizon	A Horizon	E Horizon	C Horizon	O Horizon	
this layer; very litt		_		oken-up bedrock	. Plant roots do not	penetrate into
			·	olor; It is made up	o mostly of sand and	d silt, having lost
most of its minera	als and clay as wa	ater drips throug	h the soil (in the	process of eluvia	ation).	
calcium carbonat			•	•	s (like iron, aluminu s from the soil abov	
	The unwe	eathered rock (<u>be</u>	edrock) layer tha	at is beneath all t	he other layers.	
matter).	The top, o	organic layer of s	soil, made up mo	stly of leaf litter a	and <u>humus</u> (decom	posed organic
made up of humu	•	<u></u>	-	·	grow in this dark-co	lored layer. It is

18. Label the Soil Horizons in the picture below. (Use the Horizons above for labeling)



Definition:	lual Parent Material		In Situ
		ed Parent Material arent material that is	
Parent Material moved by	Parent Material moved by a	Parent Material moved by	Parent Material moved by a
Generally found in	or	()	or