Name:		Period:	Date:	\		
SOIL FORMATION AND COMPOSITION						
influenced b insects, and	be physical and chemica by the process of soil form other organisms.	nation, including the o	action of bacteric	a, fungi,		
Many of you asked how soil form what the ma names of the	ns, Iterials in soil,					
-	ead the text book (pages cus questions. DON'T FOR ACH ONE.	=	=	-		
•••••	••••••	•••••	•••••	•••••		
C. What are	es soil form? Is weathering play a role Is the different types of most the different layers of so	aterials that make up		om one		
 ✓ On the left single provided the si	and collect data in the fo ide are the main ideas, to ese for you. ONE PARAGRAPH AT A TI op at the end of the para ch heading/topic clude important vocab ar aw pictures if helpful	opics, and/or heading IME, on the right, you graph and summarize	will			
TOPIC/HEADING						
(no heading, paragraph 1)	slowly enlarge the	, mechanical and che crack [in a rock].				

SOIL FORMATION	 Soil is what the rock and other materials in the crack have started to become. is the loose, material on Earth's surface in which plants can grow. Soil forms as is down by and mixes with other on the surface.
	Soil is formed where is exposed.
	is the solid layer of rock beneath the soil – oversed at the surface, it gradually, into smaller.
	exposed at the surface, it gradually into smaller and smaller material
	of soil.
SOIL COMPOSITION *This is what soil is made up of	 Soil is a mixture of particles,, material, and water. The types of rock particles and minerals depends on the and type of , and make up the portion of soil that comes from rock. The material in soil is
	 is a dark-colored substance that forms as and remains It creates spaces for and that plants need. It is rich in,, and that plants need to grow.

SOIL TEXTURE

*Be sure to examine FIGURE 6.

Sand feels	and	Clay feels
	_ and	These are differences
	 (depends of the
	_ of individual soil	
The particles of	are	classified by
The largest soil p	 particles are	
Next in size are	particles of	followed by
		articles are
Soil	is important for	
	, so plants may	for lack of
		soil has a
texture	quickly dra	iins, so plants may
	for lack of	
Soil that is made	e up of about	parts of
		and is
called	It has a	texture that
balda batb	and	

DRAW A DIAGRAM LIKE FIGURE 6 BELOW. INCLUDE THE <u>PARTICLE NAMES</u> AND <u>SIZES</u>.

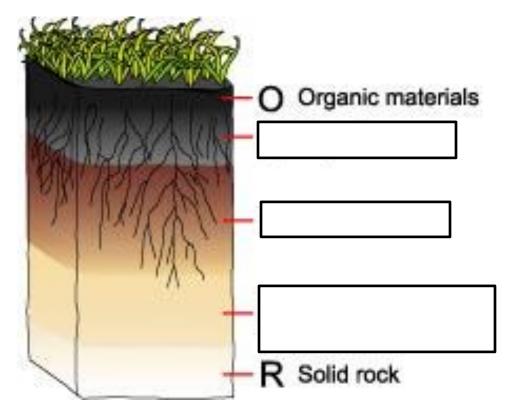
SOIL HORIZONS (LAYERS)

* Be sure to examine FIGURE 7.

rock.

•	Soil develops	called	d		
•	Α		_ is a lay	yer of soil the	at differs in
	a	nd	fror	n the layers	
	OI	-	_ it.		
•	Scientists classify the	soil into		horizons.	
•	The	_ horizon is made	e up of		, a
	crumbly,			_ soil that is c	mixture of,
		nd other minerals	•		
•	The	_ horizon, often o	called _		, usually
	consists of	and othe	er		_washed
	down from the	hori	zon, bu	t little	·
•	The	_ horizon contair	ns only p	oartly	

LABEL THE DIAGRAM WITH THE CORRECT HORIZONS.



*The solid rock (horizon R) described above is also called ______ (see Figure 7.)
http://www.westone.wa.gov.au/toolbox6/hort6/html/resources/visitor_centre/fact_sheets/images/soil_profile2.jpg

SKIP - RATE OF SOIL FORMATION

LIFE IN SOIL

*Be sure to examine the LARGE picture on pages 52-53 called "EXPLORING Living Organisms in Soil."

Some soil		the soil and make
	in it for	
	make	
that makes so	il	
Fertile soil is	in	that plants nee
such as	and	,
Plants contribu	ute most of the	remains that form
	forms in a process calle	ed
Organisms the	at live in soil turn	
	into	
	are the organism that _	the
	of or	ganisms into
	pieces and	them with
RE YOU TURN TH	pieces and 	TURE ACROSS THE BOTTON
e types of org	pieces and HE PAGE, EXAMINE THE PICT THE TWO PAGES. anisms that are found in the	them with FURE ACROSS THE BOTTON e soil example on pages , and
e types of org	pieces and HE PAGE, EXAMINE THE PICT THE TWO PAGES. anisms that are found in the,,,, are the main soil	them with FURE ACROSS THE BOTTON e soil example on pages , and, Other very
e types of org	pieces and HE PAGE, EXAMINE THE PICT THE TWO PAGES. anisms that are found in the	them with FURE ACROSS THE BOTTOM The soil example on pages , and, other very and

LIFE IN SOIL (continued)	when they excret	animals, such as, _,, _ break up hard,, _ through it. The add re, when they die and s also help, into the soil	and	, and soil and mix to the soil
CONCLUSION:				
Use the data you question and inc	u collected to answer the clude details.	e focus questions. Be	e sure to fully a	inswer each
1. How do	oes soil form?			
2. How de	oes weathering play a ro	le in soil formation?		
3. What c	are the different types of I	materials that make	e up soil?	
4. What c	are the different layers of er?	soil called and how	are they differ	rent from one