Grade 4 Language Soil

Stude	ent Nai	me:				
Class	:					
Date:	:					
Instr	uctions	5:	Read each question carefully and circle the correct that best completes each sentence.			
1.	Fill i	n the blan	k.			
			soil feels gritty and allows water and air to move through it.			
	A. B. C. D.	Silt Clay Sandy Organi	e			
2.	Fill i	n the blan	k.			
		-	ver, about three feet below the surface in the Midwest is called . It is more compact and often has stones and rocks in it.			
	A. B. C. D.	Parent Subsoil Topsoil Silt	•			
3.	Fill i	n the blan	k.			
		f	eels like flour when dry and is very smooth and soft when moist.			
	A. B. C. D.	Clay so Silt Sandy s Topsoi	soil			

4.	About how many years does it take to form one inch of topsoil?			
	A. 100 yearsB. 30 years			
	C. 200 yearsD. 500 years			
5.	Fill in the blank.			
<i>J</i> .				
	enrich t nutrients for plants	topsoil by feeding on organic material in the soil and converting it into		
	A. Worms			
	B. AnimalsC. People			
	D. Fertilizers			
6.	Fill in the blank.			
		is found in the soil but only a small amount is available to plants.		
	A. Phosphorus			
	B. Nitrogen			
	C. PotassiumD. Fertilizer			
	D. Terunzer			
7.	Fill in the blank.			
		helps plants store and use energy from the sun to make food for		
	themselves.			
	A. Phosphorus			
	B. Fertilizer			
	C. PotassiumD. Nitrogen			
	. Muogen			

Grade 4 Writing Soil

Student Name:	
Class:	
Date:	
Instructions:	Read the question carefully and write your answer below.

Extended Response

The Great Ice Age was important to agriculture and soil. Explain why it was important and how it relates to soil. Be sure to include information from other sources.

Grade 4 Science Soil

Student Name:		e:
Class:		
Date:		
Instru	ctions:	Read each question carefully and circle the correct answer.
1.		of the following is listed in the correct order from the top layer of soil to the layer?
	A. B. C. D.	Topsoil, Subsoil, Parent Material Topsoil, Parent Material, Subsoil Subsoil, Parent Material, Topsoil Parent Material, Subsoil, Topsoil
2.		the blank. on O is the
	A. B. C. D.	bedrock topsoil subsoil sandy soil
3.	Fill in	the blank.
	Horizo	on R is the
	A. B. C. D.	sandy soil topsoil bedrock subsoil

After performing the Soil Slurry experiment, what should the three final layers, starting from top to bottom, look like?							
A. B. C. D.	Clay, Silt, Sand Sand, Silt, Clay Silt, Sand, Clay Clay, Sand, Silt						
Fill i	n the blank.						
Topsoil is the upper, outermost layer of soil, usually the top inches.							
A. B. C. D.	1-5 2-8 3-12 5-10						
Give	one reason why farmers add potassium fertilizer to the soil?						
A. B. C. D.	Potassium fertilizer helps plants survive droughts Potassium fertilizer helps plants survive diseases Potassium fertilizer helps plants survive very hot and cold temperatures All of the above						
Fill in the blank.							
Nitrogen is found in the							
A. B. C. D.	air soil air and soil none of the above						
	Fill i Tops A. B. C. D. Give A. B. C. D. Fill i Nitro A. B. C. C. C.						

Grade 4 Social Studies Soil

Stude	ent Nan	ne:
Class	•	
Date:		
Instru	actions	Read each question carefully and circle the correct answer.
1.	Which	h is the Illinois state soil?
	A.	Bama
	В.	Windsor
	C.	Drummer
	D.	Miami
2.	Appro	eximately, when did the Great Ice Age begin?
	A.	1.6 million years ago
	В.	500 thousand years ago
	C.	1 million years ago
	D.	2 million years ago
3.	Fill in	the blank.
		eventually flattened the land and left behind rich deposits that became the
	soils o	on which farmers have grown their crops for thousands of years.
	A.	Rocks
	В.	Glaciers
	C.	Sand
	D.	Clay

4.	Fill i	Fill in the blank.						
	Soil	acts as a for underground water, filtering out pollutants.						
	A.	Deposit						
	B.	Tunnel						
	C.	Home						
	D.	Filter						
5.	Fill i	n the blank.						
		worst of the dust storms took place on April which came to be known as ck Sunday."						
	Α.	14th						
	B.	28th						
	С.	1st						
	D.	5th						
6.	Wha	t year did the Dust Bowl drought come to an end?						
	Α.	2000						
	В.	1802						
	Б. С.	1931						
	D.	1939						
	Δ,	1,3,						
7.		t year did the Soil Conservation Service begin promoting soil-conserving practices crop rotation, strip cropping and terracing?						
	A.	1935						
	В.	2010						
	C.	1876						
	D.	2015						

Grade 4 Math Soil

Class:										
Date:										
Instru	ictions	5:	Read e	Read each question carefully and circle the correct answer.					•	
1.	Approximately soil?		ly what p	oercentage (of the wo	rld's carb	on dioxid	de emiss	sions are	stored in
	A. B. C. D.	20% 10% 30% 40%								
2.	Soil has		layers	called hor	izons (O,	A,E,B,C a	and R).			
	A. B. C. D.	3 4 6 8								
3.		neral ma air make		er and orga	ınic matte	r make up	75% of	the soil	, what pe	ercentage
	A. B. C. D.	25% 45% 5% 20%								
4.	Fill i	n the bla	nk.							
	Abou	ıt		of soil is 1	made up o	of pores fu	ıll of air	and wat	er.	
	A. B. C.	one-th one-ha	alf							

5.	Fill in the blank.						
	About 45% of soil is made up of						
	A. B. C. D.	Water Mineral Matter Air Organic Matter					
6.	If approximately 10 percent of the world's carbon dioxide emissions are stored in soil, what percentage is left out of the soil?						
	A. B. C. D.	80% 75% 10% 90%					
7.	How n A. B. C. D.	nany years did the Dust Bowl last from beginning to end? 8 5 10 6					

Answer Key:

Language

- 1. C
- 2. A
- 3. B
- 4. D
- 5. A
- 6. C
- 7. A

Science

- 1. A
- 2. B
- 3. C
- 4. A
- 5. B
- 6. D
- 7. C

Social Studies

- 1. C
- 2. A
- 3. B
- 4. D
- 5. A
- 6. D
- 7. A

Math

- 1. B
- 2. C
- 3. A
- 4. B
- 5. B
- 6. D
- 7. A