Test Bank for Soil Science and Management 6th Edition Edward Plaster 0840024320 9780840024329

Full link download Test Bank:

https://testbankpack.com/p/test-bank-for-soil-science-and-management-6th-edition-edward-plaster-0840024320-9780840024329/

Chapter 2: Soil Origin and Development

c. 5d. 6

трип	E/FALSE		
		s the disintegration of rock by only temperature, water, and wind.	
	ANS: F	PTS: 1	
2.	Soil formation begins	s with rock.	
	ANS: T	PTS: 1	
3. Levees are formed along river banks where coarse materials are deposited.			
	ANS: T	PTS: 1	
4.	4. Lacustrine deposits form under rapidly rushing water.		
	ANS: F	PTS: 1	
5.	5. Two important features of topography are slope and slope aspect.		
	ANS: T	PTS: 1	
6. Frost wedging occurs when water freezes and expands in rocks or in cracks in the to break apart.		s when water freezes and expands in rocks or in cracks in the rock, causing it	
	ANS: T	PTS: 1	
7.	. The A, E, B, and O horizons make up the solum, which contains the most plant roots.		
	ANS: T	PTS: 1	
MUL'	TIPLE CHOICE		
1.	A pedon is a human of	device for studying soil. It is a section of soil 3 ft. 3 ft ft.	

	AN	18: C	PIS: 1
2.		·	ks that collect at the foot of a slope, is an example of colluvial material e following EXCEPT
	AN	IS: D	PTS: 1

3.	Rock formed by presa. metamorphic b. sedimentary c. igneous	ssure ap	plied to lose materials is called	
	ANS: B	PTS:	1	
4.	When a river cuts dee	ply into	a floodplain to flow at a lower elevation, the old floodplain is called a	
	a. river bank b. river terrace c. river delta d. river plain			
	ANS: B	PTS:	1	
5.	Organic soils contain a. 20 b. 30 c. 50 d. 70	n9	6 or more organic matter.	
	ANS: A	PTS:	1	
6.	 6. All of the following are ways in which climate affects soil development EXCEPT a. physical weathering b. chemical weathering c. amount of and decay of organic matter d. amount of sedimentary rock in parent material 			
	ANS: D	PTS:	1	
7.	Roots growing into a a. binding b. compaction c. rotting d. wedging	a crack	in rock is called root	
	ANS: D	PTS:	1	
8.	The four soil-forming a. loss b. translocation c. addition d. transformation e. transpiration	g proce	sses includes all of the following EXCEPT	
	ANS: E	PTS:	1	
YES/	NO			
		ange soi	I formation by changing water movement and soil temperature?	
	ANS: Y	PTS:		

2. Are loess soils made up of wind-deposited silt, and are they important agricultural soils i of Iowa, Illinois, and neighboring states?				
	ANS: Y	PTS: 1		
3.	Can human activ	vity be considered a soil-forming factor?		
	ANS: Y	PTS: 1		
4.	Is metamorphic	rock formed by extreme cold and pressure?		
	ANS: N	PTS: 1		
5.	Does slope aspe	Does slope aspect refer to the degree of incline?		
	ANS: N	PTS: 1		
COM	PLETION			
1.		study of soil formation, classification, and mapping. Soil formation is also known		
	ANS: genesis			
	PTS: 1			
2.	The three types of bedrock are igneous, metamorphic, and			
	ANS: sedimentary			
	PTS: 1			
3.	Deltas form who Delta soil has vo Delta of Louisia	en rivers flowing into an ocean and deposit sediments at the mouth of the river. ery particles and tends to be wet. The Mississippi River and and the Rio Grande Valley of Texas and Mexico are examples.		
	ANS: small			
	PTS: 1			
4.	Soil genesis beginnaterials.	ins with rock breaking into smaller particles that provide the		
	ANS: parent			
	PTS: 1			
5.		rock is the basic material of the Earth's crust.		
	ANS: Igneous			
	PTS: 1			

	fine particles.	u areas caneu	can leave deposits of	
	ANS: floodplains			
	PTS: 1			
· •	Except for a surface layer of plant debri	is, mineral soils contain less than	% organic matter.	
	ANS: 20 twenty			
	PTS: 1			
3.	•	arrowing animals, earthworms, and	l nitrogen-fixing	
	ANS: bacteria			
	PTS: 1			
).	Caliche is a hard subsoil layer cement	ted by		
	ANS: lime			
	PTS: 1			
TC	ICHING			
	Match the following terms with the ap a. Dissolution b. Hydrolysis	opropriate definition. c. Hydration		
2.	Water molecules join with the crystal	-		
	Match the following types of master ha. Ab. Bc. C	norizons with the best description. d. E e. O f. R		
		_	lored	
j.				
•	Wholly or partially decayed plant and			
		fine particles. ANS: floodplains PTS: 1 Except for a surface layer of plant debrance ANS: 20 twenty PTS: 1 Organisms that can impact soil are but ANS: bacteria PTS: 1 Caliche is a hard subsoil layer cement ANS: lime PTS: 1 TCHING Match the following terms with the apara And Ansis and Ansis and Ansis A	ANS: floodplains PTS: 1 Except for a surface layer of plant debris, mineral soils contain less than	

9. "Parent" material of soil; little touched by soil-forming processes

4. ANS: D	PTS:	1
5. ANS: A	PTS:	1
6. ANS: B	PTS:	1
7. ANS: E	PTS:	1
8. ANS: F	PTS:	1
9. ANS: C	PTS:	1

Match the following terms with the best description.

a. Alluvial fan
b. Illuviation
c. Colluvium
d. Eluviation
e. Alluvial soil
f. Eolian deposit

- 10. Soil parent materials moved by sliding or rolling down a slope; scattered in hilly or mountainous areas
- 11. Soil parent materials carried by wind
- 12. "Zone of accumulation" where chemicals leached out of the A and E horizon accumulate
- 13. Parent materials were carried and deposited in moving fresh water to form sediments
- 14. Form below hills and mountain ranges where streams flowing down-slope deposit material in a fan shape at the base
- 15. Soil losses of clay, iron, and other materials in downward moving water

10. ANS: C	PTS:	1
11. ANS: F	PTS:	1
12. ANS: B	PTS:	1
13. ANS: E	PTS:	1
14. ANS: A	PTS:	1
15. ANS: D	PTS:	1

Match the following terms with the best description.

a. Glacial drift c. Glacial till

b. Glacial outwash

- 16. Coarser material from glacier meltwater that was deposited near the glacier and in nearby streams and rivers
- 17. Clay, sand, rocks, and other materials that were picked up, crushed and ground, and deposited elsewhere by glaciers
- 18. Debris dropped in place to form deposits during glacier melting

16. ANS: B PTS: 1 17. ANS: A PTS: 1 18. ANS: C PTS: 1

Match the following terms with the appropriate definition.

a. Soil genesis c. Soil profile

b. Soil horizon

- 19. A vertical section through the soil extending into unweathered parent material and exposing all the horizons
- 20. Soil formation
- 21. Horizontal layers that develop as a soil ages

19. ANS: C PTS: 1 20. ANS: A PTS: 1 21. ANS: B PTS: 1

ESSAY

1. Discuss how subdivisions of master horizons are indicated.

ANS:

As soils age they may develop horizon positions and properties that are between master horizons. Such transitional layers are identified by two master letters with the dominant one written first. An AB layer lies between the A and B horizons but is most like the A horizon. Layers can be further identified by a lowercase letter suffix denoting a trait of the layer (Ap). Numbers can be used to indicate further subdivisions (Bt1).

PTS: 1

2. Describe how time affects soil change.

ANS:

Initially a thin layer of soil appears on the parent material. As soil ages, biological processes tend to increase nitrogen content. The passage of time transforms soil so it is less and less like its parent material. Mature soils are generally productive, but as time passes, weathering, erosion, leaching, and misuse can make a soil less productive. An old soil can even become the parent material for a new soil.

PTS: 1