

Safety and Buildings Division Instructions for Obtaining Continuing Education Credit Hours for Viewing Online Videos and Correctly Answering Questions

After viewing the videos, you should print this questions/verification document. Fill in the identifying information at the beginning of the questions. Read the questions and circle the correct answers.

Fill in the attendance verification form at the end of the questions.

Make a copy of the filled-in packet to keep for your records.

Send the original answers and the attendance form to Safety and Buildings, PO box 2658, Madison, WI 53701-2658. Enclose a check for \$30 for the class fee.

You will not be sent an acknowledgement of S&B receiving your submission unless you fail to answer at least 70 percent of the questions correctly.

After allowing two weeks for processing, you can check your continuing education records by going online to http://apps.commerce.state.wi.us/SB_Credential/SB_CredentialApp. Enter your S&B customer number in the search box. Double-click "Search." In the search results at the bottom of the page, double-click on your name and you will see the S&B records of continuing education for that credential.

In order to be given credit hours for the continuing education term ending December 31, for renewal of a credential that expires on March 31, your submittal must be postmarked on or before December 31.

If you submit the forms and fees after that date, and do not have sufficient credit hours to renew, you will be sent a letter telling to submit an additional \$25 late fee.

Go to the next page to fill out your customer information and answers questions concerning the video you have viewed.

Safety and Building Division

30 Questions for "In Depth In Situ Soil Review" Class # 6491

\$30 fee for three continuing education credit hours for Soil Testers, POWTS Inspectors, master Plumbers, Journeyman Plumbers, Master Plumbers-Restricted Service, Journeyman Plumbers-Restricted Service

Your name _____

Your address _____

Your S&B customer identification number _____ Fiscal Code 7632

Daytime telephone number _____

1. What administrative rule sets forth the requirements of reporting soil and site characteristics for treatment and dispersal of domestic wastewater?

- a. Co mm 82
- b. Co mm 83
- c. Co mm 85
- d. Chapter 145 Wisconsin Statutes

2. What is the definition of soil according to Comm 81, Wis. Adm. Code?

- a. All loose material over bedrock
- b. Loose material over bedrock that supports plant life
- c. Naturally occurring pedogenically developed and undeveloped regolith overlying bedrock
- d. Any loose material over bedrock that can be excavated with hand equipment.

3. Name the three general classes of rocks.

- a. Granite, basalt, gneiss
- b. Regolith, batholith, ledge rock
- c. Sandstone, granite, limestone
- d. Igneous, sedimentary, metamorphic

4. An esker is a glacial landform deposited
 - a. In a hole in the surface of a continental glacier
 - b. As a bed of sand and gravel from a river flowing under a continental glacier
 - c. By glacial melt waters in front of a retreating glacier
 - d. By wave action in a glacial lake

5. Loess was deposited by
 - a. Wind
 - b. Water
 - c. Ice
 - d. Wind and water

6. The five soil forming factors include type of parent material, climate, biota, topography, and _____.
 - a. In situ soil material
 - b. Time
 - c. Weathering potential
 - d. Temperature

7. Name the three parameters used to describe soil color using a Munsell Soil Color Book.
 - a. Soil texture, structure, and consistency
 - b. Hue, value and chroma
 - c. High chroma, low chroma, and gley colors
 - d. Sun angle, light conditions, moisture conditions

8. Red, yellow, and brown colors in the soil are imparted as coatings of what element?
 - a. Fe (iron)
 - b. Mn (manganese)
 - c. Al (aluminum)
 - d. Organic matter

9. In the color notation 10YR 6/2 what designates the color value?

a. 10

b. YR (yellowish-red)

c. 6

d. 2

10. A low chroma color is defined as

a. A value of 4 or more and a chroma of 2 or less

b. Chroma of 3 or less

c. Being on the gley chart

d. 10YR 6/2

11. Gley colors indicate

a. Seasonally saturated conditions

b. Extremely reduced soil conditions that are saturated for long periods of time

c. Presence of a high concentration of clay

d. An albic horizon (zone of leaching)

12. What soil separate particle size grouping is from smallest to largest?

a. silt, clay, sand

b. clay, silt loam, sand

c. clay, silt, sand

d. sand, silt, clay

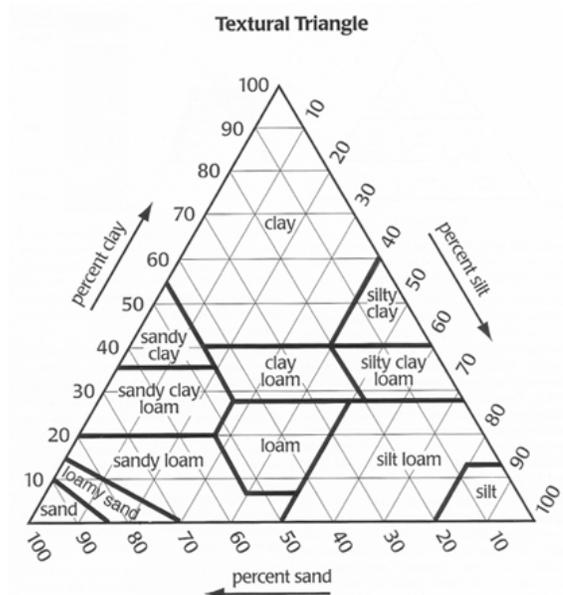
13. What textural class would have 70 percent silt and 20 percent sand in its makeup?

a. silt loam

b. sandy loam

c. silt

d. silty clay loam



14. How many soil texture classes are there?
- 3
 - 6
 - 10
 - 12
15. The textural term grv cos contains what percentage of gravel?
- 15 to 35%
 - 35 to 60%
 - 60 to 90%
 - > 90%
16. Soil that is structureless includes
- loose sand and granular peds
 - loose sand and massive clay
 - silt and clay textures
 - glacial till
17. Considering water movement through macro pores and soil structure, what type of structure might accept and transmit water the fastest?
- Granular
 - Blocky
 - Prismatic
 - Platy
18. How should the boundary topography between horizons A and B be reported for Figure 1?
- Smooth
 - Wavy
 - Irregular
 - Abrupt

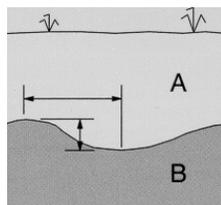


Figure 1

19. What soil profile description most likely contains a lithologic discontinuity?
- 60 inches sand
 - 15 inches loamy sand over 45 inches sand
 - 10 inches silt loam over 50 inches clay loam
 - 20 inches silt loam over 40 inches stratified sand and gravel
20. What two forces move water through soil?
- Gravity and matric forces
 - Adhesion and cohesion forces
 - Capillary attraction and matric potential
 - Percolation and gravity
21. Areas of the soil matrix that are depleted of iron usually have a _____ color.
- bright reddish
 - brown
 - low chroma
 - high chroma
22. The highest level of soil saturation is where?
- Free water is observed
 - Low chroma redox depletions begin
 - Redoximorphic features become apparent
 - At the water table
23. The minimum vertical separation between the bottom of a distribution cell and groundwater or bedrock allowed by Comm 83 is _____.
- 1 foot
 - 2 feet
 - 3 feet
 - 6 inches

24. What environmental condition(s) may affect your perception of soil color during winter soil evaluations?

- a. Frozen soil
- b. Snow blindness
- c. Low sun angles
- d. All of the above

25. What is the minimum amount of in situ soil required as part of the minimum vertical separation requirement?

- a. 6 inches
- b. 12 inches
- c. 24 inches
- d. 36 inches

26. What is the percent slope at a site where the elevation difference is 6.5 feet over a horizontal distance of 60 feet?

- a. 6.5%
- b. 65%
- c. 0.108%
- d. 10.8%

27. The vertical separation when applying septic tank effluent to a coarse sand having 70% gravel is _____ feet.

- a. 2
- b. 3
- c. 5
- d. None of the above

28. How far from the ordinary high water mark of a navigable stream or lake must a soil treatment or dispersal area be?

- a. 5 feet
- b. 10 feet
- c. 25 feet
- d. 50 feet

29. Setbacks from a mound system to a well are measured from

- a. the perimeter of the mound fill
- b. the distribution cell inside the mound
- c. the down slope toe
- d. the basal absorption area

30. When soil peds cannot be observed soil structure may be

- a. Single grain
- b. Weak
- c. Massive
- d. a or c

Educational Course Attendance Verification

Safety & Buildings Division
 201 W Washington Avenue
 P O Box 7082
 Madison WI 53707-7082
 Phone: (608) 261-8500
 TTY: (608) 264-8777

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)].

Instructions: Print all information clearly

Attendee's Name (Last, First, Middle Initial):	Course Title/Name:		
Credential Number:		Course ID #:	Course Date (mo/dy/yr):
Cannot process without this information			
Street Address or PO Box:	List the name of each credential held by attendee that is relevant to this course Use space below if needed.		
City, State and Zip Code + 4:			
Daytime Telephone Number (include area code):			
Attendee's Signature:			
	DECLARATION: I believe that the information given on this form is true. I realize that a misstatement could result in disciplinary action under Comm 5.10, Wis. Adm. Code.		

Credit hours obtained at least 90 days prior to the expiration date of a credential apply as credit to the current credential period. Credit hours obtained less than 90 days to the expiration date of a credential are applied as credit to the next credential period.
 SBD-9142 (R.2/03)