

HYDROVILLE CURRICULUM PROJECT

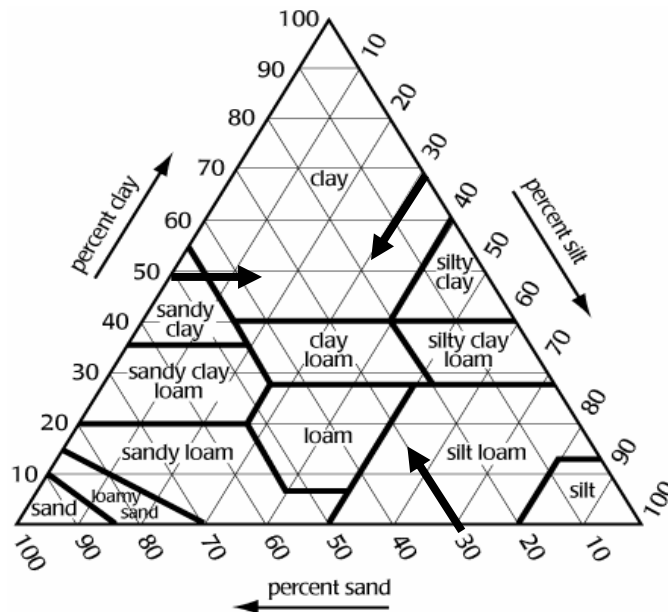
Student Background Theme Evaluation
Activities 5 & 6: Soil Classification and Soil Permeability
(Questions 61 – 80 on the Scantron Sheet)

Now that you have completed the Soil Classification and Permeability Activity, we would like you to answer a few questions about what you did and what you learned.

61. Use the soil triangle below to identify the following soil type:

Sand	Silt	Clay
40%	30%	30%

- A. Loam
- B. Clay loam
- C. Sandy clay loam
- D. Sandy loam



62. Use the soil triangle to determine which answer is correct. A soil that is identified as *sandy loam* would be composed of

- A. 10% sand, 10% silt, 80% clay
- B. 30% sand, 55% silt, 15% clay
- C. 65% sand, 25% silt, 10% clay
- D. 50% sand, 10% silt, 40% clay

63. Soil is made up primarily of

- A. Organic Matter
- B. Air
- C. Mineral matter: sand, silt, clay and nutrients
- D. Water

64. Which type of soil has the highest permeability?

- A. Sand
- B. Silt
- C. Clay
- D. Loam
- E. Clay loam

65. The rate of permeability of water through soil is based on a soil particle's

- A. Shape
- B. Chemical composition
- C. Color
- D. Size

66. Which soil has the highest water holding capacity?

- A. Sand
- B. Silt
- C. Clay
- D. Loam
- E. Clay loam

Listed below are a number of things that you did as part of the activity. Please indicate how interesting each one was to you.

67. Testing different soils for permeability.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

68. Using what you learned about soil types and soil permeability to solve problems.

- A. Not at all interesting
- B. Slightly interesting
- C. Somewhat interesting
- D. Very interesting
- E. I didn't do this part

69. How much writing have you done in your Hydroville Learning Log about this activity? (mark only one answer)

- A. Quite a bit (a page or more)
- B. Some writing (about a half page)
- C. A little bit (a few lines)
- D. I haven't done any writing

70. If you HAVE NOT done any writing in your Hydroville Learning Log about this activity, what are your reasons? (mark all answers that apply)

- A. I haven't started a Hydroville Learning Log
 - B. I don't have time
 - C. I don't know what to write about
 - D. I'm not a good enough writer
 - E. Other:
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Part of this activity involved working with other students in a team. In working on this activity, how difficult did you find each of the teamwork elements listed below?

71. Expressing my ideas verbally to others.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

72. Listening to others.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

73. Staying on task with the group.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

74. Asking teammates for help.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

75. Receiving criticism from other team members.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

76. Giving praise to the ideas or work of others.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

77. Getting along with everyone on the team.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

78. Using my time efficiently.

- A. Not difficult
- B. Slightly difficult
- C. Somewhat difficult
- D. Very difficult
- E. Too difficult for me to do

79. Overall, how well would you say your team worked together on this activity?

- A. Worked very well
- B. Worked well
- C. Worked OK
- D. Worked poorly
- E. Worked very poorly

80. Overall, how would you rate your experience of teamwork on this activity?

- A. Very positive
- B. Positive
- C. Neither positive nor negative
- D. Negative
- E. Very negative