Name: _____

Date: _____

KNOWLEDGE TEST

1. List four factors that influence erosion.

2. What is turbidity? How is it measured (units and means)?

3. Explain how slope impacts soil erosion.

4. What soil particle is most easily eroded?

- ◯ a. silt
- ◯ b. sand
- ◯ c. clay
- ◯ d. organic matter
- ◯ e. all of the above

5. How does turbidity impact the environment/water bodies?

6. What is the best way to minimize erosion?

- ◯ a. vegetation
- ◯ b. ground cover
- ◯ c. bare soil
- ◯ d. both a and b

7. List three ways sediment impacts our waterways.

8. What does "PAM" stand for?

9. What is the main function of PAM?

10. What is the number one pollutant in our waterways today?

11. Why might a developer need a sediment and erosion control plan?

12. What is a "BMP"?

13. List three different types of BMPs that are used to minimize sediment loss.

14. List fourfactors that influence erosion.

15. How does erosion occur? List the two mechanisms:

16. What is the main function that "check dams" provide?

17. How are humans influencing the availability of clean water?

18. What is the difference between a rill and a gully ? How are these prevented?

19. Explain the purpose of the initial "Site Assessment". What are some of the pieces of evidence you discovered on your campus?

20. How did your team decide on materials that you used for the "Rainbox Throwdown"? Did your teams' decision affect your end results? If so, how?

21. Explain why gullies are so destructive to waterways.

22. During your soil texturing lab you learned how different soil textures affect erosion. List two different soil properties that impact erosion rates.

23. List three different soil structure types:

24. What method allows you to determine soil texture in the field? Describe how it works.

25. What is your feeling about sediment and erosion? How can YOU help protect the environment?