

Name:

Swamp Gas Assignment

1. Swamp gas is a mixture of gases that contain _____.
2. How is methane produced in the Okefenokee Swamp?
3. What is an anaerobic environment?
4. Aerobic decomposition produces _____ while decomposition in an anaerobic environment may produce _____.
5. What two things do ecosystems do?
6. _____ fix energy from the sun which flows through food chains.
7. _____ cycle matter in an ecosystem.
8. Methanogenesis is the formation of methane by _____ called methanogens.
9. Which kingdom contains methanogens?
10. What is an anoxic environment?

11. What is the role of methanogens in the Okefenokee Swamp?

12. How do methanogens help produce the floating bogs which are characteristic of the Okefenokee Swamp?

13. What is ecological succession?

14. _____ is a chemical reaction in which a substance rapidly combines with oxygen producing light and heat.

15. What is the balanced chemical equation for the combustion of methane?