

SCA Science 5 – Study Guide

Chapter 8

Name: Key

I. Fill in the blanks: Write the correct term for each statement

1. Some areas of the earth have four seasons, but other areas have only two.
2. Winds that change direction with the seasons and control the wet and dry seasons are monsoon winds.
3. Photosynthesis and respiration are part of the carbon cycle.
4. The energy for plants to make food comes from the sun.
5. An important gas for living things to grow and function normally is nitrogen.
6. Most nitrogen is changed into usable compounds by bacteria.
7. Bacteria that can change nitrogen into compounds can be found in the root nodules on plants.
8. Other elements need to be combined with nitrogen before it can be used.
9. Condensation, evaporation, precipitation, and transpiration are part of the water cycle.
10. A possible problem of an invasive species is increased competition for food and water.
11. Some manmade stresses are habitat destruction, pollution, and excessive hunting and fishing.

II. Multiple Choice: Write the letter of the correct answer in the blank.

A 12. Plants use carbon dioxide and release oxygen during ____.

- A. photosynthesis B. respiration C. transpiration

B 13. Animals and people breathe in oxygen and breathe out carbon dioxide during ____.

- A. photosynthesis B. respiration C. transpiration

C 14. Plants also produce ____ during photosynthesis.

- A. carbon dioxide B. oxygen C. sugar

A 15. Dead bodies break down during decomposition and release ____ into the air.

- A. carbon dioxide B. oxygen C. sugar

C 16. During respiration organisms use ____ molecules and oxygen to produce energy.

- A. carbon dioxide B. oxygen C. sugar

C 17. Whenever an ecosystem receives less water than it needs a ____ may occur.

- A. fire B. flood C. drought

B 18. Whenever an ecosystem receives more water than it can use or store a ____ may occur.

- A. fire B. flood C. drought

C 19. Using resources and not wasting them is being a good ____ of God's creation.

A. species

B. balance

C. steward

C 20. Stresses can be ____.

A. natural

B. manmade

C. either natural or manmade

B 21. The largest manmade stress is probably ____.

A. pollution

B. habitat destruction

C. excessive hunting

III. Fill in the Blank: Write the correct answer from the word bank

dead	drought	nutrients	soil	sprout	trees
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22. A drought is different from other natural disasters because it does not have a definite beginning or ending.

23. One benefit of floods is that they distribute fertile soil and seeds.

24. Another benefit of floods is that the seeds of some trees depend on annual floods so they can sprout.

25. One way a forest fire can be beneficial to the ecosystem is that some forest fires can get rid of dead trees.

26. Forest fires also can recycle nutrients to make the soil rich and fertile.

27. Some seeds sprout only after a forest fire.