

SCA Science 5 – Study Guide

Chapter 8

Name: _____

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

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

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

_____ 12. Plants use carbon dioxide and release oxygen during _____.

- A. photosynthesis B. respiration C. transpiration

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

- A. photosynthesis B. respiration C. transpiration

_____ 14. Plants also produce _____ during photosynthesis.

- A. carbon dioxide B. oxygen C. sugar

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

- A. carbon dioxide B. oxygen C. sugar

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

- A. carbon dioxide B. oxygen C. sugar

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

- A. fire B. flood C. drought

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

- A. fire B. flood C. drought

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

A. species

B. balance

C. steward

_____ 20. Stresses can be _____.

A. natural

B. manmade

C. either natural or manmade

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

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

22. One benefit of floods is that they distribute fertile _____ and seeds.

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

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

25. Forest fires also can recycle _____ to make the soil rich and fertile.

26. Some seeds _____ only after a forest fire.