| Name: | Date: | Class: |
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BioRecycling/BioEnergy Knowledge Check Answer Key

| | bionecycling, biolinergy knowledge check Answer Rey |
|----|---|
| 1. | True/False: Waste is waste and cannot be reused or recycled. a. True b. False |
| 2. | Which of the following CANNOT be used to produce electricity? a. Sunlight b. Natural gas d. Glass |
| 3. | True/False: Composting and anaerobic digestion are good ways of recycling food waste. a. True b. False |
| 4. | For growth, plants and algae need all of the following, EXCEPT a. Nutrients b. Water c. Sunlight d. Methane |
| 5. | Of the following, which photosynthetic organism grows the fastest? a. Algae b. Squirrels d. Humans |
| 6. | True/False: Biogas is a renewable energy source. a. True b. Faise |
| 7. | What does anaerobic digestion produce? a. Oxygen b. Biogas d. Helium |
| 8. | True/False: Microalgae and plants can be turned into biofuel. a. True b. False |
| 9. | Air is composed of several constituents. Which air component do plants need most? a. Oxygen b. Nitrogen d. Argon |
| 10 | a. Oxygen b. Nitrogen d. Helium |
| | |

| 11. | Anaerobic means without . | | |
|-----|---|--|--|
| | a. Oxygen c. Methane | | |
| | b. Nitrogen d. Carbon dioxide | | |
| 12 | Which of the following is not a decomposer? | | |
| 12. | a. Fungi — e. Earth werms | | |
| | b. Bacteria d. Plants | | |
| 42 | Turn /Falance Communication and an analysis to broad down the food was to | | |
| 13. | True/False: Composting requires oxygen and bacteria to break down the food waster. a. True | | |
| | b. False | | |
| | | | |
| 14. | If you provide enough exygen, water and food to a compost pile, what happens? | | |
| | a. The compost pile heats up b. The compost pile smells | | |
| | c. The compost pile becomes cooler in the center | | |
| | d. Biogas is produced | | |
| 4- | | | |
| 15. | Compost can be used for a. Construction material c. Producing paper | | |
| | b. Growing plants d. Filling empty space in landfills | | |
| | at 1 ming empty space in tallating | | |
| 16. | Sequestering carbon dioxide means to | | |
| | a. Convert it to heat c. Dissolve it in water | | |
| | b. To steal it d. Lock it up, or store it in organic materials | | |
| 17. | .7. What device do engineers use to grow algae? | | |
| | a. Anaerobic digester c. Nuclear reactor | | |
| | b. Photobioreactor d. Business incubator | | |
| 18. | What device do engineers use to produce biogas?] | | |
| | a. Anaerobic digester c. Nuclear reactor | | |
| | b. Photobioreactor d. Business incubator | | |
| 10 | Biogas is a combination of | | |
| 13. | a. Oxygen and methane c. Methane and carbon dioxide | | |
| | b. Oxygen and carbon dioxide d. Carbon dioxide and nitrogen | | |
| | | | |
| 20. | A bioreactor is a. a group of radioactive organisms | | |
| | b. a device that does some type of work using microorganisms | | |
| | c. the place where most superheroes come from | | |
| | d. an Oscar award-winning bacteria | | |

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