**Milling to the Music: ENSCI Unit 2**

1 .What is antibiotic resistance?

2. What is pesticide resistance?

3. Carnivores eat \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, omnivore’s eat\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and herbivores eat \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4 What does greenhouse gases do to the Earth?

5. **Circle the correct choice:** Biotic means **living/nonliving** and abiotic means **living/nonliving.**

6. In an ecosystem, a variety of organisms living in an area is known as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. An group of organisms that can mate to produce fertile offspring is known as a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**8. True or False:** Organisms that produce/give off oxygen also photosynthesize.

**10. True or False**: Resistance was caused by humans who were only trying to get rid of something in the first place

11. What is a population?

12. Where does most of the energy in an ecosystem come from?

13. **True or False:** The process of two species changing genetically in response to long term interactions with each other is known as natural selection.

14. What is a trophic level?

15. What is the difference between primary and secondary succession?

16. This organism helps to convert nitrogen into a form that plants can use

17. **True or False:** Burning fossil fuels decreases the levels of carbon dioxide in the Earth and is health for us.

18. Which two plants are known as pioneer species?

19. What are two types of decomposers?

20. A diagram used to show complex feeding relationships among organisms within an ecosystem is known as a(n)

21. What is a producer?

22. **True or False:** An adaptation is a change in a trait that improves the chances of success of a population.

23. The last stage of succession, where the community has become stable is known as a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ community

24. What is evolution?

**25. True or False:** Bacteria, fungi, and plants are multicellular.

26. **True or False:** Insects are to pesticides, while bacteria are to antibiotics.

27. Survival of the fittest is like

28. How much energy is obtained at each trophic level?

**Milling to the Music: ENSCI Unit 2 KEY**

1 .When bacteria resists antibiotics, promoting the evolution of resistant populations of bacteria, making it more difficult for diseases to be controlled effectively.

2. When insects resists pesticides, promoting the evolution of resistant populations of insects, making it more difficult for farming to be controlled effectively.

3. Carnivores eat **meat** omnivore’s eat both **meat and plants** and herbivores eat **plants**.

4 Warms up the Earth because of the greenhouse gases that stay in the atmosphere and trap heat inside

5.**Circle the correct choice:** Biotic means **living/**nonliving and abiotic means living**/nonliving.**

6. In an ecosystem, a variety of organisms living in an area is known as a **community**.

7. An group of organisms that can mate to produce fertile offspring is known as a(n) **species**

**8. True or** False**:** Organisms that produce/give off oxygen also photosynthesize.

**10. True or** False: Resistance was caused by humans who were only trying to get rid of something in the first place

11. What is a population? **Members of the same species living in the same place at the same time**

12. Where does most of the energy in an ecosystem come from? **The sun**

13. True **or False:** The process of two species changing genetically in response to long term interactions with each other is known as natural selection. **Coevolution**

14. What is a trophic level? **Individual steps in a food chain or food pyramid**

15. **Primary succession occurs with a place where there is no soil and secondary begins with a place that has soil and was once the home of living organisms but was destroyed**

16. This organism helps to convert nitrogen into a form that plants can use **bacteria**

17. True **or False:** Burning fossil fuels decreases the levels of carbon dioxide in the Earth and is health for us.**increase**

18.Which two plants are known as pioneer species? **Lichens & moss**

19. What are two types of decomposers? **Bacteria & fungi**

20. A diagram used to show complex feeding relationships among organisms within an ecosystem is known as a **food web**

21. What is a producer? **An organism that uses energy from the sun to make food**

22. **True or** False**:** An adaptation is a change in a trait that improves the chances of success of a population.

23. The last stage of succession, where the community has become stable is known as a(n) **climax** community

24. What is evolution? **Change in a population over time**

**25.** True **or False:** Bacteria, fungi, and plants are multicellular.

26. **True or** False**:** Insects are to pesticides, while bacteria are to antibiotics.

27. Survival of the fittest is like **natural selection**

28. How much energy is obtained at each trophic level? **10%**