

Middle School Biology Basics

Biology · Answer Key · 20 Questions

1. What is the basic unit of all living things?

- A) Organ
- B) Tissue
- C) Cell**
- D) System

2. Which gas do plants absorb from the air for photosynthesis?

- A) Oxygen
- B) Nitrogen
- C) Carbon Dioxide**
- D) Hydrogen

3. What is the main function of the heart in the human body?

- A) To digest food
- B) To filter blood
- C) To pump blood**
- D) To help you breathe

4. Which group of animals has a backbone?

- A) Invertebrates
- B) Arthropods
- C) Vertebrates**
- D) Molluscs

5. What part of a plant absorbs water and nutrients from the soil?

- A) Leaf
- B) Stem
- C) Flower
- D) Root**

6. An organism that produces its own food, like a plant, is called a...?

- A) Consumer
- B) Decomposer
- C) Producer**
- D) Predator

7. What carries genetic information from parents to offspring?

- A) Proteins
- B) Fats
- C) DNA**
- D) Carbohydrates

8. A place where an organism lives and finds all its needs is called its...?

- A) Population
- B) Community
- C) Habitat**
- D) Biome

9. Which of these is a type of microorganism?

- A) Elephant
- B) Mushroom
- C) Bacteria**
- D) Seagull

10. What gas do humans breathe out as a waste product?

- A) Oxygen
- B) Carbon Dioxide**
- C) Nitrogen
- D) Methane

11. Which sense uses the eyes to detect light?

- A) Hearing
- B) Smell
- C) Sight**
- D) Touch

12. What is the process where an insect changes completely from a larva to an adult, like a butterfly?

- A) Germination
- B) Pollination
- C) Metamorphosis**
- D) Photosynthesis

13. The ability of an organism to survive and reproduce in its environment is called...?

- A) Migration
- B) Hibernation
- C) Adaptation**
- D) Extinction

14. Which nutrient helps to build and repair body tissues?

- A) Carbohydrates
- B) Fats
- C) Vitamins
- D) Proteins**

15. Which of these animals is a mammal?

- A) Frog
- B) Snake
- C) Eagle
- D) Dolphin**

16. The movement of particles from an area of higher concentration to an area of lower concentration is called...?

- A) Osmosis
- B) Active Transport
- C) Photosynthesis
- D) Diffusion**

17. A large natural region with specific climate, plants, and animals is a...?

- A) Ecosystem
- B) Biome**
- C) Habitat
- D) Niche

18. What is an important practice to prevent the spread of germs and diseases?

- A) Eating sweets
- B) Watching TV
- C) Washing hands**
- D) Sleeping less

19. What type of reproduction involves two parents contributing genetic material?

- A) Asexual reproduction
- B) Binary fission
- C) Sexual reproduction**
- D) Budding

20. Which of these is NOT a characteristic of all living things?

- A) They reproduce
- B) They grow and develop
- C) They have fur**
- D) They respond to stimuli