

Test - Structure vs. Function in Biology

Part I – Multiple Choice: Choose the best answer for each question.

1. In biology, the term “structure” refers to:
 - A. How something works
 - B. The shape and arrangement of parts
 - C. The energy used by organisms
 - D. The environment around an organism
2. “Function” in biology refers to:
 - A. The color of an organism
 - B. The location of an organism
 - C. The job or purpose of a structure
 - D. The size of a structure
3. Why do birds have hollow bones?
 - A. To store food
 - B. To make them heavier
 - C. To help them fly
 - D. To absorb water
4. The function of red blood cells is to:
 - A. Fight disease
 - B. Carry oxygen
 - C. Digest food
 - D. Protect bones
5. Which structure helps fish breathe underwater?
 - A. Lungs
 - B. Scales
 - C. Gills
 - D. Fins
6. The large surface area of the small intestine helps it:
 - A. Pump blood
 - B. Absorb nutrients
 - C. Filter waste
 - D. Protect organs
7. Which example best shows the relationship between structure and function?
 - A. Thick fur helps polar bears stay warm
 - B. Plants need sunlight to grow
 - C. Water freezes at low temperatures
 - D. Animals live in habitats

8. The function of roots in plants is to:
- A. Produce flowers
 - B. Absorb water and anchor the plant
 - C. Carry oxygen
 - D. Make seeds
9. Webbed feet in ducks are a structural adaptation that helps with:
- A. Flying
 - B. Running
 - C. Swimming
 - D. Climbing
10. Which organ's structure allows it to pump blood throughout the body?
- A. Brain
 - B. Heart
 - C. Skin
 - D. Stomach

Part II - Fill in the Blank

Word Bank

shape	absorption	gills	pump	adaptation	job
	structure	connected	water	warm	

11. In biology, structure refers to the _____ of something.
12. Function refers to the _____ or purpose of a structure.
13. The _____ of a bird's wings helps it fly.
14. Fish use _____ to breathe underwater.
15. The heart's main function is to _____ blood through the body.
16. Plant roots absorb _____ and nutrients from the soil.
17. The thick fur of a polar bear helps it stay _____ in cold climates.
18. The small intestine has many folds to increase _____ of nutrients.
19. Webbed feet are an example of a structural _____.
20. Structure and function are closely _____ in living organisms.

Part III – True or False: Write T or F

21. _____ Structure and function are unrelated in biology.
 22. _____ The shape of a bird's beak can affect how it gets food.
 23. _____ Gills help fish breathe underwater.
 24. _____ The human heart is structured to pump blood.
 25. _____ Thick bark protects trees from damage and weather.
 26. _____ Function describes what a structure does.
 27. _____ A cactus has thick stems to help store water.
 28. _____ All organisms have the exact same structures.
 29. _____ The structure of leaves helps plants capture sunlight.
 30. _____ Biology studies how living things are organized and function.
-