

Test - Structure vs. Function in Biology

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

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