

Built to Work

Find how structures help objects, organisms, and systems do their jobs.

3.5.F “explain the relationship between the structure and function of objects, organisms, and systems; and”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Circle the names of structures. Underline words that tell what each structure does, then draw a line from each circled structure to its underlined function.

Parts With a Purpose

- ① A playground swing is an object with parts that work together. Two strong chains hang from a metal bar. The chains hold the seat at the same height and let it move back and forth. The wide, flat seat supports a rider. Its shape spreads the rider’s weight, so the seat is more comfortable and steady.
- ② A turtle is an organism whose body parts help it survive. Its hard shell covers its back and sides. This curved covering helps protect the turtle from many dangers. A turtle also has webbed feet. Skin between its toes makes each foot wider. In water, the wider feet push against more water, helping the turtle swim.
- ③ A school water fountain is part of a system that moves clean water. Pipes are long, hollow tubes. Their open space gives water a path from the building’s water supply to the fountain. A valve has a handle that can be pressed. Pressing it opens the valve, allowing water to flow. Releasing it closes the valve and stops the flow.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Name one structure of the swing. How does it help a rider?

2 How does the turtle's shell structure help the turtle survive?

3 Why do webbed feet help a turtle swim?

4 How do the pipes and valve help the water fountain system work?

3 YOUR TURN _____ Your own words

Choose an everyday object that is not named in the passage. In exactly two sentences, name one structure of the object and explain how that structure helps the object do its job.

PART 1 • READ AND MARK

Circle the names of structures. Underline words that tell what each structure does, then draw a line from each circled structure to its underlined function. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Name one structure of the swing. How does it help a rider?	The wide, flat seat supports a rider and spreads the rider's weight, making the swing more comfortable and steady.
2	How does the turtle's shell structure help the turtle survive?	The hard, curved shell covers the turtle's back and sides and helps protect it from dangers.
3	Why do webbed feet help a turtle swim?	Skin between the toes makes each foot wider. The wider feet push against more water.
4	How do the pipes and valve help the water fountain system work?	The hollow pipes give water a path to the fountain. Pressing the valve opens it so water flows, and releasing it stops the flow.

PART 3 • YOUR TURN (SAMPLE ANSWER)

A backpack has two shoulder straps. The straps spread the bag's weight across a person's shoulders, helping the person carry it.

Accept any accurate structure-to-function explanation for an object not named in the passage. The response should have exactly two sentences and clearly connect a part or shape to what it helps the object do.