

Rain Catchers Help

See how a simple invention helps a school community.

2.4.A “explain how science or an innovation can help others; and”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline the name of the innovation. Circle each part that tells how it helps people.

A Barrel for Rain

- ① At Maple School, the garden needed water on dry days. The science club built a rain barrel system. A rain barrel is a large container that catches rain from a roof. A screen keeps leaves and bugs out of the water.
- ② When it rains, water flows through a pipe into the barrel. Later, students open a small faucet to fill watering cans. They use this saved water for the garden, so the school uses less water from its pipes.
- ③ The barrel helps the garden plants get water even after the rain stops. It also helps the school save treated water, which takes energy to clean and send through pipes. The garden then grows vegetables for the cafeteria.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 How does the rain barrel system help students water the garden?

2 How does using the rain barrel help the school save energy?

3 How does the rain barrel system help the cafeteria?

3 YOUR TURN _____ Your own words

Draw an innovation that could help people at school or home. Use the first panel to show the innovation and the second panel to show it helping someone, then write one sentence explaining how it helps.



A rectangular box for drawing an innovation. It has a dashed horizontal line near the bottom, indicating a space for a drawing and a space for a label or description.



A rectangular box for drawing an innovation helping someone. It has a dashed horizontal line near the bottom, indicating a space for a drawing and a space for a label or description.

PART 1 • READ AND MARK

Underline the name of the innovation. Circle each part that tells how it helps people. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	How does the rain barrel system help students water the garden?	It catches rainwater from the roof. Students can later fill watering cans with the saved water.
2	How does using the rain barrel help the school save energy?	The school uses less treated water, and treated water takes energy to clean and send through pipes.
3	How does the rain barrel system help the cafeteria?	It helps the garden grow vegetables for the cafeteria.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1 labels: rolling book cart, books. Panel 2 labels: student, classroom. The cart helps students get books without carrying many heavy books.

Accept any realistic science-based tool or innovation that helps another person or group. The explanation should clearly connect the innovation to the help it provides.