

Needs and New Tools

See how science and technology help people get what they need.

2.13.B “explain how science and technology have affected the ways in which people meet basic needs.”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each science or technology idea. Circle the words that tell how it helps people get food or clean water.

Tools for Basic Needs

- ① People need food, water, and shelter to live. Science helps people learn about the world. Technology is a tool people make and use. Together, science and technology can change how families get the things they need.
- ② At a farm, a weather report helps growers know when rain may come. Drip hoses carry water right to plant roots. This technology helps crops grow while using less water. Families can get food even during a dry time.
- ③ In a town, water workers use filters and other tools to clean water. Science has taught people that tiny germs can make people sick. Clean water from the pipes helps families drink safely and stay healthy.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 How do the weather report and drip hoses help growers meet people's need for food?

2 What did science teach people about germs in water?

3 How do water filters and pipes help families meet a basic need?

3 YOUR TURN _____ Your own words

Write two sentences about one basic need. Name a science or technology tool that helps people meet that need, and explain how it helps.

PART 1 • READ AND MARK

Underline each science or technology idea. Circle the words that tell how it helps people get food or clean water. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	How do the weather report and drip hoses help growers meet people's need for food?	The weather report tells growers when rain may come, and drip hoses bring water to plant roots so crops can grow using less water.
2	What did science teach people about germs in water?	Science taught people that tiny germs can make people sick.
3	How do water filters and pipes help families meet a basic need?	They clean and carry water so families can drink safely and stay healthy.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Insulation keeps warm air inside a house. This technology helps families meet their need for shelter on cold days.

Accept answers that name a basic need and a science or technology tool, then clearly explain how the tool helps people meet that need. Accept reasonable examples beyond the passage.