

People Who Changed Things

Link innovators to discoveries and useful technology.

3.13.A “identify individuals who have discovered scientific breakthroughs or created or invented new technology such as Jonas Salk, Cyrus McCormick, Bill Gates, Louis Pasteur, and others; and”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each person's name. Circle the words that tell what the person discovered, created, or helped develop so you can connect each individual to an important advance.

Ideas That Helped People

- ① Scientists and inventors can change daily life. Jonas Salk led a team that developed a polio vaccine in 1955. Polio had caused paralysis in many children. The vaccine helped protect people from the disease. Louis Pasteur discovered that tiny germs can cause disease. His work led to pasteurization, a heating process that makes some foods and drinks safer.
- ② Cyrus McCormick created a mechanical reaper, a machine that helped farmers cut grain. Before machines like this, cutting grain took much more hand work. McCormick's reaper helped farmers harvest larger fields. Bill Gates helped start Microsoft, a computer software company. Microsoft made software used on many personal computers. This technology helped people use computers for work, school, and communication.
- ③ Other people made important advances too. Katherine Johnson was a mathematician for NASA. She calculated flight paths that helped send astronauts into space and bring them home. George Washington Carver studied plants and found many new uses for peanuts and sweet potatoes. These individuals used careful work and new ideas to solve problems. Their discoveries and technology affected many people.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Which individual led the team that developed a polio vaccine?

2 What did Louis Pasteur discover?

3 How did Cyrus McCormick's mechanical reaper help farmers?

4 Which individual calculated flight paths for NASA, and how did those calculations help?

3 YOUR TURN _____ Your own words

Choose an individual not named in the passage who made a scientific discovery or created new technology. Write exactly two sentences. Name the person's discovery or invention in the first sentence, then tell how it helped people in the second sentence.

PART 1 • READ AND MARK

Underline each person's name. Circle the words that tell what the person discovered, created, or helped develop so you can connect each individual to an important advance. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which individual led the team that developed a polio vaccine?	Jonas Salk led the team that developed a polio vaccine.
2	What did Louis Pasteur discover?	He discovered that tiny germs can cause disease.
3	How did Cyrus McCormick's mechanical reaper help farmers?	It helped farmers cut grain and harvest larger fields with less hand work.
4	Which individual calculated flight paths for NASA, and how did those calculations help?	Katherine Johnson calculated flight paths. Her calculations helped send astronauts into space and bring them home.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Garrett Morgan invented an improved traffic signal with a warning position. His invention helped drivers know when to stop and go more safely.

Accept accurate examples of individuals not named in the passage. The response should name the person's discovery or technology and explain a reasonable way it helped people.