

Career Clue Hunt

Use several resources to investigate a STEM career.

3.4.B “research and explore resources such as museums, libraries, professional organizations, private companies, online platforms, and mentors employed in a science, technology, engineering...”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline the five places, websites, or people Maya used as resources. Write the numbers 1 to 5 above them in the order Maya used them, so you can track her research path.

Maya Investigates Engineering

- ① Maya wanted to learn about environmental engineers. She started at her library, where a librarian helped her find a book about people who clean water and reduce pollution. At a science museum, Maya read signs about testing river water. She wrote notes about the jobs, tools, and questions she still had in her notebook each day.
- ② Next, Maya used the website of a professional group for engineers. It explained that environmental engineers may design systems that make drinking water safer. Maya also visited a local water company website. She learned that the company employs engineers and posts facts about its water tests. Maya checked the dates and the names of the sources.
- ③ Finally, Maya talked with Mr. Chen, an environmental engineer who was her aunt's mentor. He told Maya that he tests water samples, works with other scientists, and uses computers to study results. Maya compared his answers with her notes. She found that the library, museum, websites, and mentor each gave useful information about the career.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Which STEM career did Maya investigate?

2 Name two places Maya visited in person. Tell one thing she learned at each place.

3 What were Maya's two online resources? What information did each one give her?

4 What did Mr. Chen say he does in his job? Name two tasks and one tool he uses.

3 YOUR TURN _____ Your own words

Choose one STEM career you want to investigate. Fill in the table with three different resources you could use and one question you would ask or research with each resource.

STEM CAREER	RESOURCE	QUESTION TO ASK OR RESEARCH

PART 1 • READ AND MARK

Underline the five places, websites, or people Maya used as resources. Write the numbers 1 to 5 above them in the order Maya used them, so you can track her research path. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which STEM career did Maya investigate?	Environmental engineer.
2	Name two places Maya visited in person. Tell one thing she learned at each place.	She visited the library and learned about people who clean water and reduce pollution. She visited a science museum and read about testing river water.
3	What were Maya's two online resources? What information did each one give her?	A professional engineers' group website explained that environmental engineers may design safer drinking-water systems. A local water company website gave facts about water tests and said the company employs engineers.
4	What did Mr. Chen say he does in his job? Name two tasks and one tool he uses.	He tests water samples and works with other scientists. He uses computers to study results.

PART 3 • YOUR TURN (SAMPLE ANSWER)

STEM CAREER	RESOURCE	QUESTION TO ASK OR RESEARCH
Robotics engineer	Library	What tools does a robotics engineer use?
Robotics engineer	Science museum	What problems can robots help solve?
Robotics engineer	Mentor who works in robotics	What training does a robotics engineer need?

Accept the five marked resources as library, science museum, professional engineers' group website, local water company website, and Mr. Chen, a mentor. For the table, accept any STEM career, three different appropriate resources, and focused career questions.