

# Cool Park Clues

See how different sources investigate one question.

**CCSS.ELA-Literacy.W.5.7** "Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic."

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## 1 READ AND MARK \_\_\_\_\_ Read it twice

**YOUR JOB** Circle each source Lena used. Underline one fact or observation each source added, so you can see how several sources build knowledge.

### Why Do Parks Feel Cooler?

- ① For a short research project, Lena investigated why city parks can feel cooler than nearby streets. She began with a question: How do trees change summer temperatures in a neighborhood? At the library, she found a city planning report with a map of surface temperatures. The map showed that dark parking lots often became hotter than shaded grass on sunny days.
- ② Next, Lena read a university article about shade and evaporation. It explained that tree leaves block some sunlight, while water released by leaves can cool the air. She also examined daily temperature records from two local weather stations. On two July afternoons, records showed higher air temperatures near the busy downtown area than at a park location.
- ③ Finally, Lena interviewed a parks worker who described watering young trees during dry weeks. She wrote notes beside each source and checked when two sources supported the same idea. Her project did not claim that trees solve every heat problem. Instead, she planned to explain how shade, plant water, pavement, and tree care can affect a neighborhood's summer conditions.

## 2 ANSWER WITH EVIDENCE Use the passage

1 How did the city planning report help Lena investigate her question?

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2 What comparison did the weather station records let Lena make?

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3 What explanation did the university article give for cooler air around trees?

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4 How did Lena check whether her research findings were supported?

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## 3 YOUR TURN Your own words

Choose a question about an animal, place, or change in your community. Write your research question, then name three different sources you could use and tell what each source could help you learn.

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**PART 1 • READ AND MARK**

Circle each source Lena used. Underline one fact or observation each source added, so you can see how several sources build knowledge. Accept any marking that follows this job and points at the right text.

**PART 2 • ANSWERS**

| # | QUESTION                                                                      | ANSWER                                                                                                                                             |
|---|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | How did the city planning report help Lena investigate her question?          | <b>Its map let her compare surface temperatures, showing that dark parking lots were often hotter than shaded grass.</b>                           |
| 2 | What comparison did the weather station records let Lena make?                | <b>She could compare air temperatures near downtown with temperatures at a park location. The downtown area was hotter on two July afternoons.</b> |
| 3 | What explanation did the university article give for cooler air around trees? | <b>Tree leaves block some sunlight, and water released by leaves can cool the air.</b>                                                             |
| 4 | How did Lena check whether her research findings were supported?              | <b>She wrote notes beside each source and checked when two sources supported the same idea.</b>                                                    |

**PART 3 • YOUR TURN (SAMPLE ANSWER)**

How do eastern gray squirrels find food in winter? I would use a state wildlife agency website to learn about diet and winter behavior, a field guide to identify local nut trees, and an interview with a park naturalist to gather community observations.

Accept answers that accurately connect each source to information in the passage. For Part 3, accept a clear research question and three distinct, reasonable sources that investigate different aspects of the topic.