Cool Block Clues

Find evidence and record where each detail came from.

6.T.RA.2.a "Locate evidence in print and digital sources to support a central idea or question, recording basic bibliographic information, such as author, title, and page number. (I)"

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline one sentence in each source that gives evidence about how trees cool neighborhoods. Circle the author or organization, title, and page number for each source so you can record where the evidence came from.

How Do Trees Cool City Blocks?

1. Source A, a print guide: City Parks Department, "Cooling Streets with Trees," p. 6. On sunny days, dark pavement absorbs sunlight and becomes much hotter than the air. A tree canopy casts shade on sidewalks, playgrounds, and roads. The shaded pavement receives less direct sunlight, so it absorbs less heat. In one neighborhood survey, residents measured cooler sidewalk temperatures beneath broad tree canopies than on nearby unshaded walks. This source suggests that shade changes the temperature of hard surfaces.

2. Source B, a digital article: Lena Ortiz, "Leaves at Work," Green Block News, p. 2. Trees can cool air as well as surfaces. Water moves from roots to leaves. When water leaves the tiny openings in leaves and changes into water vapor, it uses heat from the surrounding air. Scientists call this process transpiration. A line of healthy trees can therefore make the air along a walking route feel cooler, especially when soil has enough water to support the trees.

3. Source C, a print report: River County Health Office, "Summer Streets Study," p. 11. The report compared blocks with many trees to blocks with few trees during a heat wave. Tree-lined blocks offered more shade for people waiting at bus stops and walking to stores. The report also found that trees do not replace other heat-safety steps, such as drinking water and using cool indoor spaces. Still, planners can use the evidence from all three sources when choosing places to plant and care for trees.

2 ANSWER WITH EVIDENCE

Use the passage

1. What central idea about trees and neighborhood heat is supported by the passage? Write one sentence, then cite one source that supports your idea by giving its author or organization, title, and page number.

2. Copy the sentence from Source A that best explains why shaded pavement absorbs less heat. Then record the source's author or organization, title, and page number.

3. Copy the sentence from Source B that gives evidence that trees can cool the air. Then record the author, title, and page number.

4. Find the sentence in Source C that shows trees are not a complete heat-safety solution. Copy it and record the source's author or organization, title, and page number.

3 YOUR TURN

Your own words

Write a 40 to 55 word evidence note answering this question: How can planners use trees to reduce heat? Use evidence from two different sources, and include each source's author or organization, title, and page number.

ANSWER KEY

Cool Block Clues

GRADE 6 · 6.T.RA.2.a

PART 1 · READ AND MARK

Underline one sentence in each source that gives evidence about how trees cool neighborhoods. Circle the author or organization, title, and page number for each source so you can record where the evidence came from. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	What central idea about trees and neighborhood heat is supported by the passage? Write one sentence, then cite one source that supports your idea by giving its author or organization, title, and page number.	**Trees can help cool neighborhoods by shading hard surfaces and cooling nearby air. One correct citation is City Parks Department, "Cooling Streets with Trees," p. 6.**
2	Copy the sentence from Source A that best explains why shaded pavement absorbs less heat. Then record the source's author or organization, title, and page number.	**"The shaded pavement receives less direct sunlight, so it absorbs less heat." City Parks Department, "Cooling Streets with Trees," p. 6.**
3	Copy the sentence from Source B that gives evidence that trees can cool the air. Then record the author, title, and page number.	**"When water leaves the tiny openings in leaves and changes into water vapor, it uses heat from the surrounding air." Lena Ortiz, "Leaves at Work," p. 2.**
4	Find the sentence in Source C that shows trees are not a complete heat-safety solution. Copy it and record the source's author or organization, title, and page number.	**"The report also found that trees do not replace other heat-safety steps, such as drinking water and using cool indoor spaces." River County Health Office, "Summer Streets Study," p. 11.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Planners can reduce neighborhood heat by planting and caring for trees. City Parks Department, "Cooling Streets with Trees," p. 6, explains that shaded pavement gets less direct sunlight and absorbs less heat. Lena Ortiz, "Leaves at Work," p. 2, explains that transpiration uses heat from surrounding air.

Accept accurate evidence from any two sources if the response answers the question, stays within 40 to 55 words, and includes the requested bibliographic details. Accept paraphrased evidence when it accurately reflects the passage.