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ACHER GUIDE

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STUDENT HANDOUTS

READING COMPREHENSION

٠	Climate is Changing, and So Must We	
٠	The Transportation Footprint of a Community	
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•	Very Green Houses	
٠	Reduce, Reuse, Recycle, and Plant	
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MINI POSTERS

6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC5780
- Enter pass code CC5780D for Activity Pages

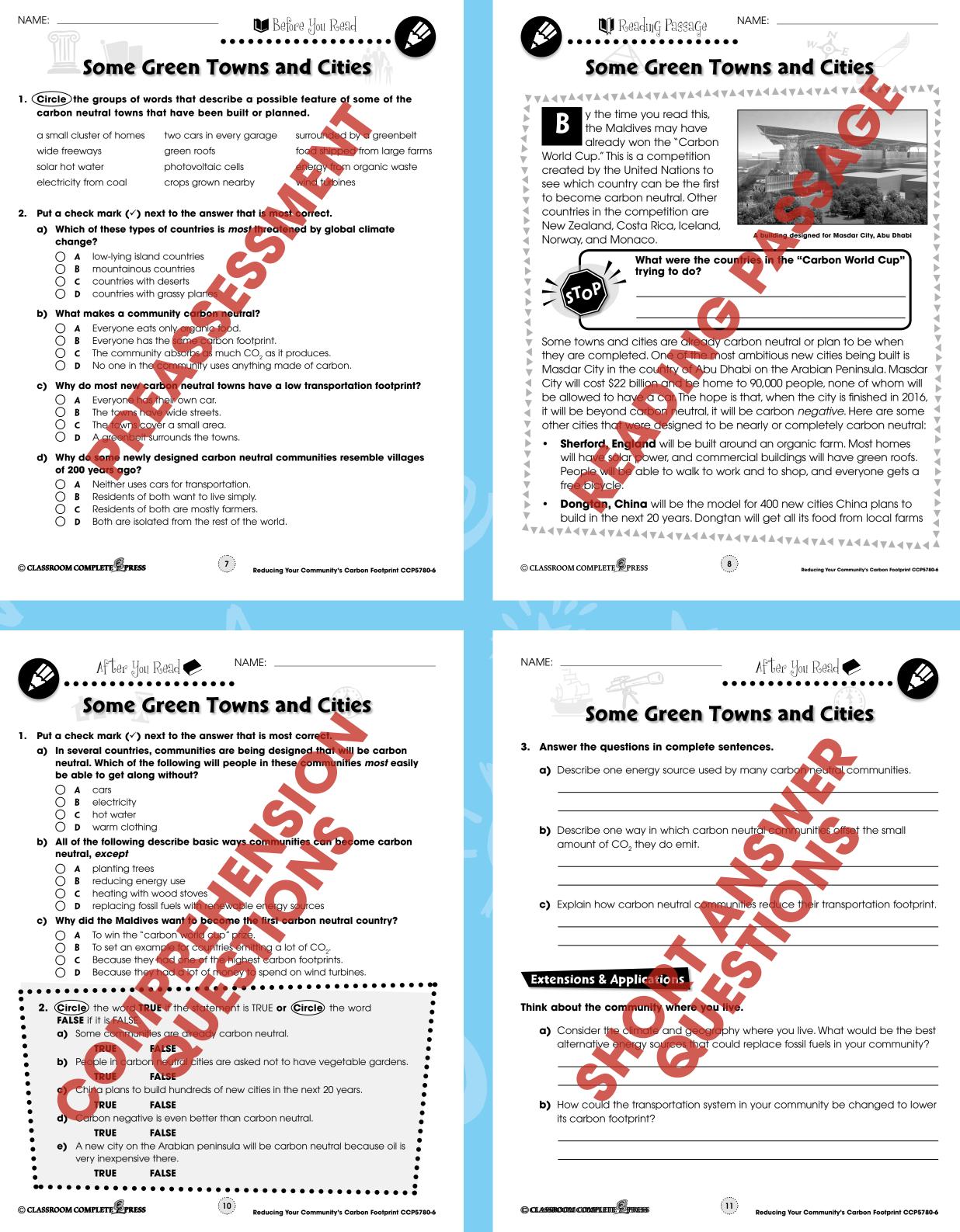


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Reducing Your Community's Carbon Footprint CCP5780-6



NAME: Hands-On Activity # 2 After You Read 🥏 Word Search Carbon Footprint Calculator Find all of the words in the Word Search. Words are written horizontally, vertically, If your state is a low footprint state, write down 13 tons per year. diagonally, and some are even written backwards. If your state is a **medium** footprint state, write down **20** tons per year. greenhouse active decompose organic turbine If your state is a **high** footprint state, write down **31** tons per year. habitat atmosphere fertilizer per capita wind These will be good guesses of the personal footprints of the people in your community. carbon footprint fossil fuel heat island pesticide carbon neutral methane photovolt gas If you live in one of the countries listed in the table, use the footprint shown there. geothermal carpool microbe solar commuter greenbelt natural subur You might find it interesting to compare the per capita Per capita footprint of your community with some other countries and Footprint with the world average. You can find these values in the С С Ρ В С Н R Е U Ο Т А Т table at the bottom of the page. in Tons Country Inited Kingdom 9.7 U **U** Н D Е G А F А Κ А Now you must find out how many people live in your Ο H L community—in other words, the population. There are 19 Canada several ways to do this. Ο R В R Μ R R Т L Е R G Е Australia 21 Many people already know your town or count 1. population. Your teacher would be a good person to ask. Many towns have signs where major highways enter the town that give the town name Ο G Т В Ο Ρ D S Е В Ν R А 2. Ζ Т U V А Ο W Т Ο Ο 1 Т and population. You can go to the official website of the U.S. Census Bureau at: 3. http://www.census.gov/popest/estimates.html. You will find a link to the most recent population estimates. Click on "All incorporated D G Ρ С Ρ Ν V Ν Μ Ν А Т A places" and then on "Excel" or "CSV" under the name of your state. You will find an alphabetical list of cities in your state and the population of each. Ν R Μ F R Ο W Ρ Т Н Ν Е Е Ο S F Е Е Е To find your community carbon footprint, simply multiply the per capita footprint times the А Е R Τ L population: Е С Ρ Т Ν S R U С L Ο А Т (per capita footprint, tons per person) × (community population) = community carbon footprint in tons S Ν Н А R А Ο Т Т Μ Т R А Write the answer here: Community Carbon Footprint = Tons On the following page can calculate how much certain changes in your community Ρ Ρ Н С U Н Κ А R Т Т can reduce its footpr Т Μ С Т \bigcirc Т L Μ **For Comparison** Т L L А Per capita U Е Ο Ο С Ρ Т А А Ν T L 1 Footprint Country in Tons Е S V Μ С Q Ζ R S D G Е Т А Ν Afghanistan 0.03 India 1.2 Е U Н V Т Е W Е Х Υ Ζ Е А А L China 4.6 20 **United States** В С D Е D В R U В U S F G Н S World Average 4.5 19 © CLASSROOM COMPLETE PRESS 15 © CLASSROOM COMPLETE PRESS Reducing Your Community's Carbon Footprint CCP5780-6 Reducing Your Community's Carbon Footprint CCP5780-6 NAME: After You Read 🔶 **How Biofuel Works** **Comprehension** Quiz Part C

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What does telecommuting mean?

