

**Teacher Page:**  
**Case study: Solid Waste in the United States**  
**(page 382)**

**Unit:**

**Grade Level Indicator:**

**Description:** Layers in a lake

**Time:** 25 minutes

**Materials:** Book page 382, copy of questions

**Procedure:**

**Warm-up:**

**Instructional Strategies:**

**Assessment:** Grade question, student participation

**Variations:** Do questions orally with teacher led instruction

**Interdisciplinary Connections:**

**Sample Data/ Answers:** The answer key follows the student page.

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Case Study (chap. 16-1, p.382)

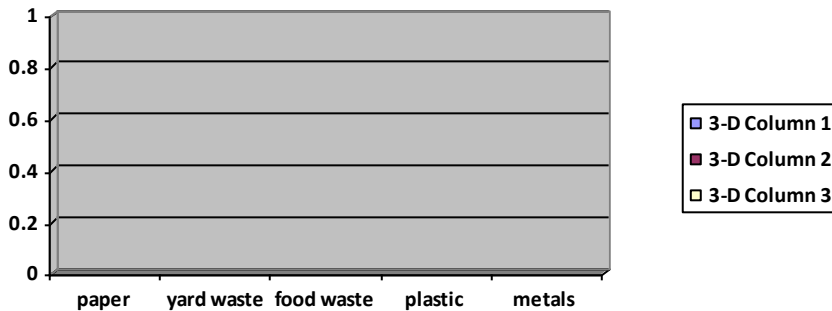
### *Solid waste in the United States*

1. List 3 of the largest sources of U.S. solid waste..

\_\_\_\_\_

2. The US is only \_\_\_\_\_ of the world's population, but produces \_\_\_\_\_ of the world's solid waste.

3. Make a bar graph of the distribution of the US MSW composition.



4. What country is after the US in trash production per person? \_\_\_\_\_

5. Each person in the US procures \_\_\_\_\_ kg or \_\_\_\_\_ lbs of MSW.

6. Three fourths of the MSW in the US is disposed of in a \_\_\_\_\_ or \_\_\_\_\_

\_\_\_\_\_

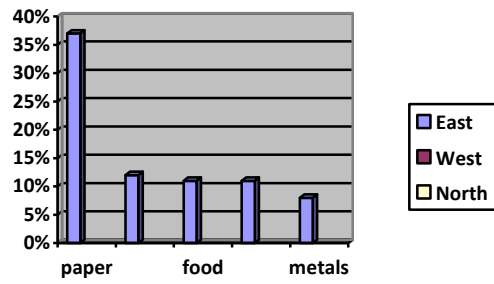
#### Matching

Match the description to the number

- |   |  |
|---|--|
| 7. _____ Plastic bottles                  | A. 2.5 million an hour                           |
| 8. _____ Tire waste to encircle the earth | B. 186 billion a year                            |
| 9. _____ Junk mail                        | C. 3 times                                       |
| 10 _____ disposable diapers               | D. 25 billion a year                             |
| 11 _____ edible food                      | E. 25 million tons                               |
| 12. _____ Styrofoam cups                  | F. 7 times to the moon and back                  |
| 13. _____ paper                           | G. a wall from NY to San Francisco<br>11 ft high |

## Key

1. Mining, agriculture, industrial
2. 4.6%, 1/3



- 3.
4. Canada
5. 2kg or 4.5 lb
6. Landfills or incinerated
7. A
8. C
9. B
10. F
11. E
12. D
13. G
- 14.