

Guided Reading Study Guide

For *Consumption and Waste* by Karen E. Bledsoe

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Objectives: The student will demonstrate their knowledge of waste reduction through reading the text, accurately answering the comprehension questions, defining and using vocabulary words, and developing a poster to be used during presentation of the assigned material.

Organization: The text will be divided into seven sections (by chapter). Each group of 2 -3 students will be assigned a chapter to read, work through questions, and develop a poster.

Group Participants _____

Consumption and Waste
Chapter 1 “The Hidden Cost of Consumption”
Pages 4-8

On the lines below:

- 1) Define the following words found in chapter 1. Use the glossary.
- 2) Write the sentence each word is used in from the book.

Commercialism

Waste

Landfills

Consumption

Toxic

Extracted

Natural resources

Answer the following questions. Make sure you use complete sentences.

The Smiths Buy a Car

1. Why is strip mining dangerous to people and the environment?

2. Plastics are made from crude oil. Why are making plastic items hard on the environment?

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1.

2.

Briefly state the main idea of this chapter.

Is there a solution to one or more of the problems discussed in this chapter? Brainstorm some practical ideas.

1.

2.

3.

Group Participants _____

Consumption and Waste

Chapter 2 “Garbageology: The Study of Waste throughout History”
Pages 9-12

On the lines below:

- 1) Define the following words found in chapter 2. Use the glossary.
- 2) Write the sentence each word is used in from the book.

Recycling

Solid Waste

Dumps

Organic

Answer the following questions. Make sure you use complete sentences.

1. Name **three** ways that people have always disposed of waste.

Early Waste Disposal

2. Why do archaeologists love waste?

3. How did the garbage piles in cities contribute to the Black Death outbreak of the 14th century?

The Industrial Revolution

4. Name 3 things that were being recycled or reused in the 19th century and explain how they were used.

1.

2.

3.

The Solution Today

5. What has happened with consumption and waste from the 1950's until now?

6. What words do the acronym NIMBY stands for? Give a brief explanation of what this means.

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1.

2.

Briefly state the main idea of this chapter.

Is there a solution to one or more of the problems discussed in this chapter?
Brainstorm some practical ideas.

1.

2.

3.

Group Participants _____

Consumption and Waste
Chapter 3 “Reducing and Recycling”
Pages 13-20

On the lines below:

- 1) Define the following words found in chapter 3. Use the glossary.
- 2) Write the sentence each word is used in from the book.

Incinerate

Waste stream

Source reduction

Packaging

Answer the following questions. Make sure you use complete sentences.

1. What are the **four** ways to control the waste stream problem?

1. _____
2. _____
3. _____
4. _____

2. Waste does not only come from items that have been thrown away. How else is waste generated?

3. List **two** ways that packaging waste can be reduced?

1.

2.

Recycling

4. Why is recycling a good way to save energy?

5. Explain closed loop recycling.

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1.

2.

Briefly state the main idea of this chapter.

Is there a solution to one or more of the problems discussed in this chapter?
Brainstorm some practical ideas.

1.

2.

3.

Group Participants _____

Consumption and Waste
Chapter 4 "Burning and Dumping"
Pages 21-25

On the lines below:

- 1) Define the following words found in chapter 4. Use the glossary.
- 2) Write the sentence each word is used in from the book.

Municipal

Waste-to-energy plants

Methane

Leachate

Answer the following questions. Make sure you use complete sentences.

Turning Waste into Energy

1. Burning solid waste has one major advantage. What is it?

Landfills

2. Municipal incinerators burn approximately 20% of all waste in the United States. Explain how incinerators work.

3. Open dumps can be dangerous. Give **two** examples of how this type of dump is dangerous to our environment.

1.

2.

4. Explain the **four** advantages of a landfill versus an open dump.

1. _____

2. _____

3. _____

4. _____

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1. _____

2. _____

Briefly state the main idea of this chapter.

Is there a solution to one or more of the problems discussed in this chapter?
Brainstorm some practical ideas.

1. _____

2. _____

3. _____

Group Participants _____

Consumption and Waste
Chapter 5 “Electronic Waste”
Pages 26-29

On the lines below:

- 1) Define the following word found in chapter 5. Use the glossary.
- 2) Write the sentence the word is used in from the book.

Electronic Waste

Answer the following questions. Make sure you use complete sentences.

Outdated Already?

1. Why are electronic items replaced so often?

The Electronics Waste Stream

2. Why are electronics so difficult to dispose of?

3. Most electronics produced today are made of recyclable materials. Why is recycling electronics so difficult?

Problems in Recycling Electronics

4. Give the 4 steps in recycling electronics.

1. _____
2. _____

3. _____

4. _____

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1. _____

2. _____

Briefly state the main idea of this chapter.

Is there a solution to one or more of the problems discussed in this chapter? Brainstorm some practical ideas.

1. _____

2. _____

3. _____

Group Participants _____

Consumption and Waste
Chapter 6 “Hazardous Waste”
Pages 30-35

On the lines below:

- 1) Define the following word found in chapter 6. Use the glossary.
- 2) Write the sentence the word is used in from the book.

Hazardous Waste

Answer the following questions. Make sure you use complete sentences.

What is hazardous Waste?

1. What are some of the consequences of coming into contact with hazardous waste?

2. How is hazardous waste produced? (Discuss manufacturing and household hazardous waste.)

3. How can you tell if products in your home are hazardous?

Disposing of Hazardous Waste

4. How are you supposed to dispose of hazardous waste?

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1. _____

2. _____

Briefly state the main idea of this chapter.

Is there a solution to one or more of the problems discussed in this chapter? Brainstorm some practical ideas.

1. _____

2. _____

3. _____

Group Participants _____

Consumption and Waste
Chapter 7 “Working Toward a Solution”
Pages 36-43

Answer the following questions. Make sure you use complete sentences.

The Superfund Act

1. What is the Superfund Act and why was it necessary?

2. Name 4 things that local government programs have done to make recycling work in their communities.

1. _____

2. _____

3. _____

4. _____

Industry Pre-cycling

3. What does pre-cycling mean.

4. What is a “green factory”?

Electronics Industry

5. Discuss **three** ways that electronic recycling is being made easier.

1. _____

2. _____

3. _____

What you can do

6. List **four** ways that you can reduce waste.

1. _____

2. _____

3. _____

4. _____

7. List **three** ways that you can recycle at home.

1. _____
2. _____
3. _____

8. List **three** ways that you can recycle at school.

1. _____
2. _____
3. _____

Find **two** important cause and effect relationships in the chapter. Make sure you use complete sentences.

1. _____

2. _____

Briefly state the main idea of this chapter.

