

This is a study guide to help you to organize your notes based on the Objectives for this Module. This is not graded and is provided only as a study aid. To use it, fill in the table. Box 1 will ask you to redefine the terms or explain the concept. Box 2 will ask you to provide information about where you can find this information. Provide enough information in this box for you to be able to use this box as a reference to finding the information again. Box 3 will ask you to give an example or try to apply the concept to a new situation.

Know Indiana’s waste disposal situation (answer questions in reading list regarding the IDEM report on Solid Waste in Indiana).

<p>How many facilities does Indiana have and what type of waste is disposed in them?</p> <p style="text-align: center; font-size: 48px; color: lightgray;">1</p>	<p>Where is this information located?</p> <p style="text-align: center; font-size: 48px; color: lightgray;">2</p>
<p>How much waste is disposed of each year? How did this change overtime? How much waste is created by each Indiana resident?</p>	<p>Where is this information located?</p>

Describe the waste disposal methods for Indiana and discuss the locations and expected life of municipal landfills in Indiana.

<p>List the basic types of solid waste disposal we have here in Indiana?</p>	<p>What is the existing capacity of Indiana’s landfills? How many years do we have left?</p>	<p>Where is this information located?</p>
<p style="text-align: center; font-size: 48px; color: lightgray;">1</p>		<p style="text-align: center; font-size: 48px; color: lightgray;">2</p>

Identify sources of waste by humans including solid wastes and wastewater.

List the types of waste.	Give definitions of these wastes.	Where is this information located?
1		2

Explain how waste is collected, and how specific wastes are managed at different types of landfills.

Go through the process: How is waste collected? Then disposed of?	Where is this information located?
1	2

Know the general history of waste disposal in the U.S. and Indiana. Why did we change to an Integrated Waste Management Approach?

How was waste legally disposed of prior to 1993? Describe reasons (examples) of why this change was made.	Where is this information located?	Why was this change made? What does it protect? Why is it significant that we have limestone bedrock here in Indiana?
1	2	3

Know the general history of waste disposal in the U.S. and Indiana. Why did we change to an Integrated Waste Management Approach (IWM)? (Continued)

What happened in the 1980s that made the US change its policy on waste management? What is an IWM approach?	Where is this information located?	What does this mean in terms of solid waste disposal? Can this extend the life of our landfills? How?
<h1>1</h1>	<h1>2</h1>	<h1>3</h1>

Identify important processes related to sanitary landfills and trash incinerators.

Define and describe a Sanitary Landfill.	Where is this information located?
<h1>1</h1>	<h1>2</h1>
Define and describe an Incinerator.	Where is this information located?
<h1>1</h1>	<h1>2</h1>

Describe the positive and negative aspects of different waste management methods.

Waste Disposal Method	Positives.	Negatives.	Where is this information located?

Define NIMBYism and understand its significance.

Define NIMBYism. How has this impacted waste disposal in the US (and, possibly, Indiana)?	Where is this information located?	Why don't we have new landfills or incinerators being built in Indiana? Can this be overcome?
1	2	3

State the impact sewage and waste disposal have on the environment, pollution, and on resource reuse (i.e., combined sewers).

Define sewage. How is it disposed? What is a combined sewer? In Indiana, what are the problems with this type of sewage system?	Where is this information located?	In terms of sustainability, how does this impact the future use of this resource? (Think of people downstream. We are downstream of Anderson.)
1	2	3

Explain how a wastewater treatment plant functions and list items wastewater treatment plants cannot treat.

Describe waste water treatment. (List as a series of steps.) What wastes cannot be treated by this form of waste disposal?	Where is this information located?
1	2

Describe the proper installation and function of a septic tank system.

Describe septic tank function. (List as a series of steps.)	Where is this information located?
<h1>1</h1>	<h1>2</h1>

Describe recycling efforts in Indiana and identify methods by which you can reduce, reuse and recycle waste.

Define Recycling. Define Reuse. How does recycling impact Indiana's landfills? How does recycling impact Indiana's economy?	Where is this information located?
<h1>1</h1>	<h1>2</h1>