

Name: _____

Class: _____

Date: _____

HW - Unit 7 Study Guide

This Study guide is due 6/19. You will need to visit www.MrAscience.com to answer many of the questions!

Topics:

1. The Tragedy of the Commons
2. Global Warming
3. Deforestation
4. Dirty Energy
5. Waste & Litter
6. Overpopulation

Class Calendar:

			May 14: Intro to Environmental Science	May 15: Candy Fishing Lab
May 18: Science MCAS	May 19: Science MCAS	May 20: The Tragedy of the Commons	May 21: The Truth About Global Warming	May 22: Great East Field Trip
May 25: Memorial Day	May 26: Global Warming Lab	May 27: Deforestation: Board Game	May 28: Deforestation: Lecture	May 29: Deforestation: Board Game
June 1: Dirty Energy: Lecture	June 2: Dirty Energy: Build Windmills	June 3: Dirty Energy: Build Windmills	June 4: Dirty Energy: Windmill Testing	June 5: Waste & Litter: Lecture
June 8: Science Symposium	June 9: Waste & Litter: Toxic Waste	June 10: Washington DC	June 11: Washington DC	June 12: Washington DC
June 15: Overpopulation: Lecture	June 16: Overpopulation: Dice Lab	June 17: An Inconvenient Truth	June 18: An Inconvenient Truth	June 19: Unit 7 Test (Study Guides Due)

Day-by-Day Recap:

Go to www.MrAscience.com and visit the blog entry for each day.

After reading it, answer the “key question” to the right...

<p><u>May 14th:</u> Intro to Environmental Science</p>	<p>Why does Mr. A consider Environmental Science to be the most important branch of science?</p>
<p><u>May 15th:</u> Candy Fishing Lab</p>	<p>During the lab, what were the positive and negative effects of taking an extra fish?</p>
<p><u>May 20th:</u> The Tragedy of the Commons</p>	<p>Name four examples of the Tragedy of the Commons that Garrett Hardin mentions in his article?</p>
<p><u>May 21st:</u> The Truth About Global Warming</p>	<p>What are the four arguments that Will Daniels, our guest speaker, made about Global Warming?</p>
<p><u>May 26th:</u> Global Warming Lab</p>	<p>During our Global Warming Lab, what was the difference between Earth #1 and Earth #2?</p>

<u>May 27th:</u> Deforestation Board Game – Day 1	The first time we played the game, most of us used the strategy of “clear-cutting” because...
<u>May 28th:</u> Deforestation Lecture	Which country has forestry laws and which does not?
<u>May 29th:</u> Deforestation Board Game – Day 2	What was the key to winning the board game when we played it with forestry laws?
<u>June 1st:</u> Dirty Energy Lecture	What percentage of the world’s energy is produced by: Coal? Oil? Natural Gas? Hydro + Wind + Solar?
<u>June 2nd:</u> Building Windmills Day 1	Which students are in the picture, and what do you like/dislike about their windmill design?
<u>June 3rd:</u> Building Windmills Day 2	Click the link for the Checkpoint Quiz. Which problems did you get wrong the first time around?
<u>June 4th:</u> Windmill Testing	Who was the cluster winner? How many volts did their design generate? In real life, how much could their design power?

<p><u>June 5th:</u> Waste & Litter Lecture</p>	<p>Which of the five items decomposed and which did not?</p>
<p><u>June 8th:</u> Science Symposium</p>	<p>This year's science symposium focused on sea-level rise. What is causing this rise?</p>
<p><u>June 9th:</u> Toxic Waste</p>	<p>What are two major health effects caused by toxic pollution?</p>
<p><u>June 15th:</u> Overpopulation Lecture</p>	<p>Explain how overpopulation is an example of the Tragedy of the Commons.</p>
<p><u>June 16th:</u> Overpopulation Lab</p>	<p>In the year 1600, there were about 400 million humans; today there are 7 billion. Why has the issue of overpopulation arisen so suddenly?</p>
<p><u>June 17th:</u> An Inconvenient Truth – Day 1</p>	<p>How can small amounts of greenhouse gases cause an entire planet's temperature to rise?</p>
<p><u>June 18th:</u> An Inconvenient Truth – Day 2</p>	<p>List three solutions to the problem of Global Warming.</p>