

Homework Assignment - Due Tomorrow (graded)

- ❖ I want each of you to write a 1 page essay about YOURSELF.
 - 12 pt font
 - Double spaced

- ❖ Tell me anything you want me to know about you (your weaknesses, strengths, sports, interests, SAE project, family, pets, what you like/dislike... **anything!**)



My Expectations For This Class -

- Cell phones away once class starts
- Be respectful, be prepared, work hard!
- No talking when I am talking or if a student is asking a question/presenting

Syllabus, Extra Copies Folder, Extra Paper area, HW →

Objectives for today ~

- Define and identify non-renewable resources
- Define and identify renewable resources
- Create an edible aquifer (lab)

Bellringer

As a group, I want you to explain/answer the following question on your whiteboards that is provided at your tables

Q: Do you think it's a good idea for countries to stop using fossil fuels by the end of the century? Explain your answer.

Introduction To Natural Resources

Ag II



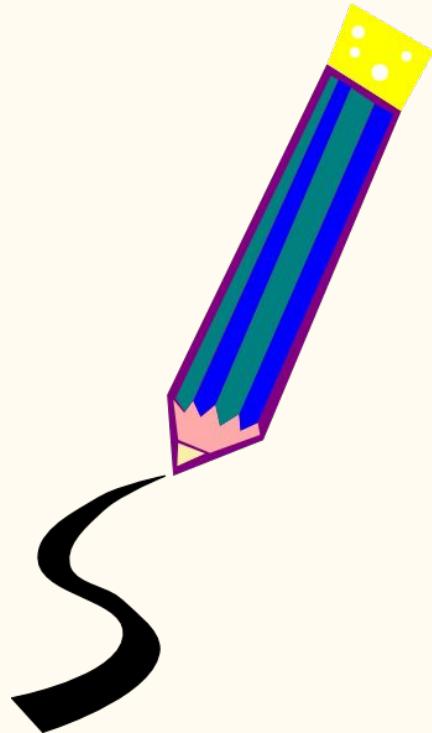
Jim Woodworth (Uncle)

- Retired English teacher at South Windsor High School
- He is connected with the CT River Conservation that organizes cleanup from long island sound to Vermont
- Picked up 1.2 tons of trash from Old Wethersfield Cove
- He is also connected to the Great Meadows Conservation Trust. Which owns the land that Fairweather Acres Farm uses (top 10 farm in CT located in Cromwell, CT). This is an example of a Land Trust where the land is protected



What Are Natural Resources?

****Please draw what you think natural resources are****



Why are Natural Resources Important?

- A part of everyday life
- **Role** = sustaining life on earth but must make sure to protect the environment + replenish itself naturally
- Without natural resources, we wouldn't survive
- There is a complex interaction between living and non-living things (humans benefit immensely from it)

The 3 major natural resources humans consume include:(makes up 60% of resource use)

- ❖ Food & Drinks (Agricultural Products)
- ❖ Mobility (cars, trains, airplanes, etc where fuel powers them)
- ❖ Housing & Infrastructure (houses, public places, roads)

What Are Natural Resources?

***Natural Resource:** a material that derives from nature/the environment and is used by humans.

Examples:

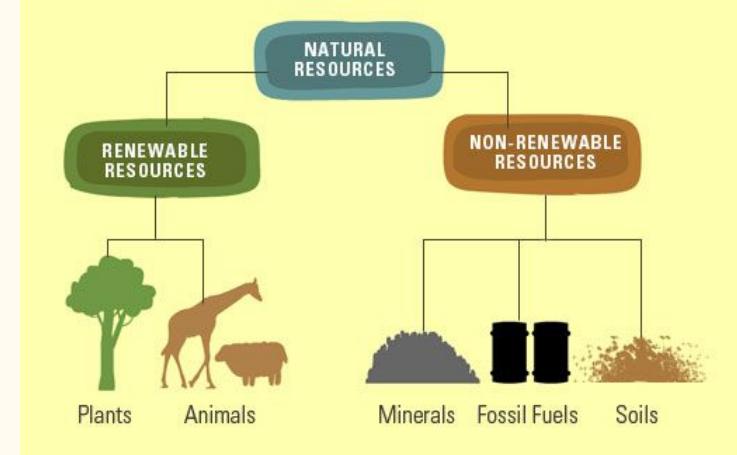
- Wildlife
- Plants
- Minerals
- Water
- Air/Wind
- Sun



Renewable vs. Nonrenewable

***Renewable Resource:** a natural resource that will replenish itself and be available indefinitely.

(Ex) *Wildlife, plants, water, air/wind*



***Nonrenewable Resource:** a natural resource that will run out/disappear forever if overused by humans.

(Ex) *Minerals, fossil fuels, soil*



Ogallala Aquifer - IMPORTANT Natural Resource

Why is it important?

- Vital U.S. Water Resource
- Natural Resource that is being used up in such a rapid rate that it will take 6,000 years to refill
- More than 90 percent of the water pumped is used to irrigate crops
- More than \$20 billion worth of food and fiber will vanish from the world's markets.



The Incredible, Edible Aquifer Lab! (as a class)



What Are Groundwater Contaminants?

As a group, list as many potential groundwater contaminants as possible on your whiteboard

EPISODE 2.1

WELCOME TO THE NEIGHBORHOOD



KIDS

Water



There is no life without water...

Water



NEW AT 6:00



UNIQUE GARDEN CONSERVES 90% OF ITS WATER
PATRICK HENRY STUDENTS ARE THE FIRST USING AQUAPONICS



6:13 61°

Soil



Energy

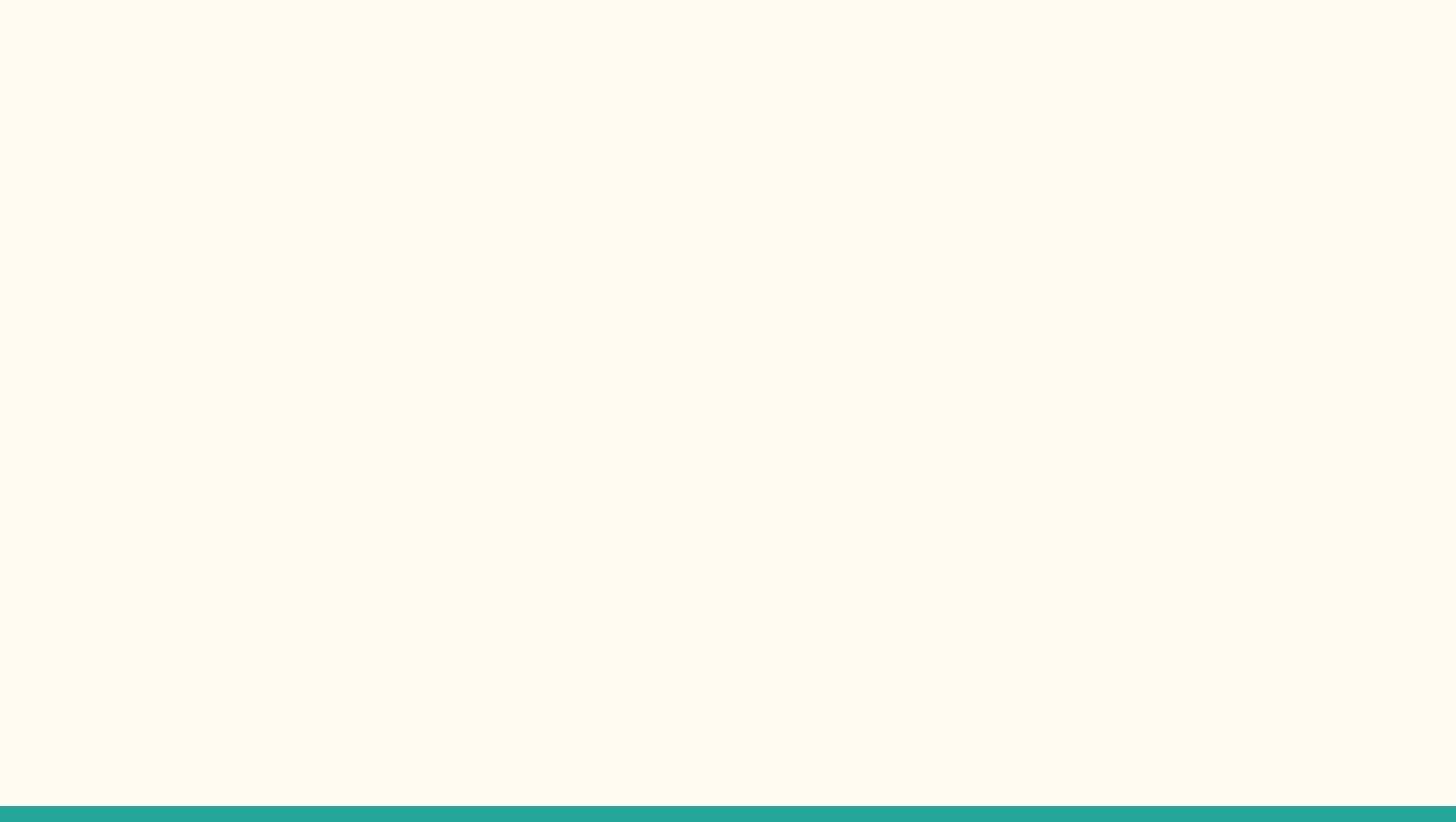


Connecticut



Exit Slip

Why is the Ogallala Aquifer a vital natural resource, especially for Agriculture?



Name: _____

Photo Challenge #1

Photo Challenge Theme: Natural Resources in General

Grading Criteria	Description	Points Earned
1. Project Format	<p>The project is completed in the following ways:</p> <ul style="list-style-type: none">• Step 1: A picture is taken on a cell phone or iPad during the class hike.• Step 2: The picture is <u>emailed</u> to Miss. Woodworth by the end of the period.	____/20
2. Utilization of Theme	The picture chosen by the student is relevant to/follows the theme assigned in class.	____/10
3. Creativity	<p>The final picture chosen by the student demonstrates the following aspects:</p> <p>-Artistic ability -Creativity -Independent thinking -Knowledge of natural resources</p>	____/20

Final Score: _____/50