Assignment Sheet 8th Grade

January 4, 2017

Objective: Today I am classifying unicellular and multicellular organisms as producers, consumers, and decomposers by the roles they serve in an ecosystem. I am also organizing parts of an energy pyramid (trophic levels) so that I understand the flow of energy in ecosystem. I am examining how living things adapt to their environment. Finally, I am describing the beneficial and harmful activities of organisms within an ecosystem so that I understand the impact these activities have on the entire food chain or food web.

\_\_\_\_Complete Kahoot it.com in class. Record scores below.

\_\_\_\_Sheppard Software Food Chains: Complete the “food chain game”, “Parts of a Food Chain”, and “Photosynthesis/Herbivores”. Summarize what you learned from this activity below. Summarize learning in at least 4 sentences.

\_\_\_\_\_Notes: PowerPoint on my Weebly page entitled: Food Chain/Web/Energy Pyramid (trophic

\_\_\_\_\_\_Vocabulary: It’s in the Cards (after completing organizer place on page 53 in your notebook) **Population, Producer,Consumer, Decomposer, Food chain, Food Web, Energy Pyramid, Ecosystem, Abiotic Factors, Biotic Factors, Biome, Secondary Consumer, Primary Consumer, Tertiary Consumer, Classify**

\_\_\_\_\_Video: Rap Food Chain/Food Web, Study Jam: Food Chains, Food Webs/ Summarize what you learned in the space below. Remember to use at least 4 sentences. See my Weebly page/Study Jam

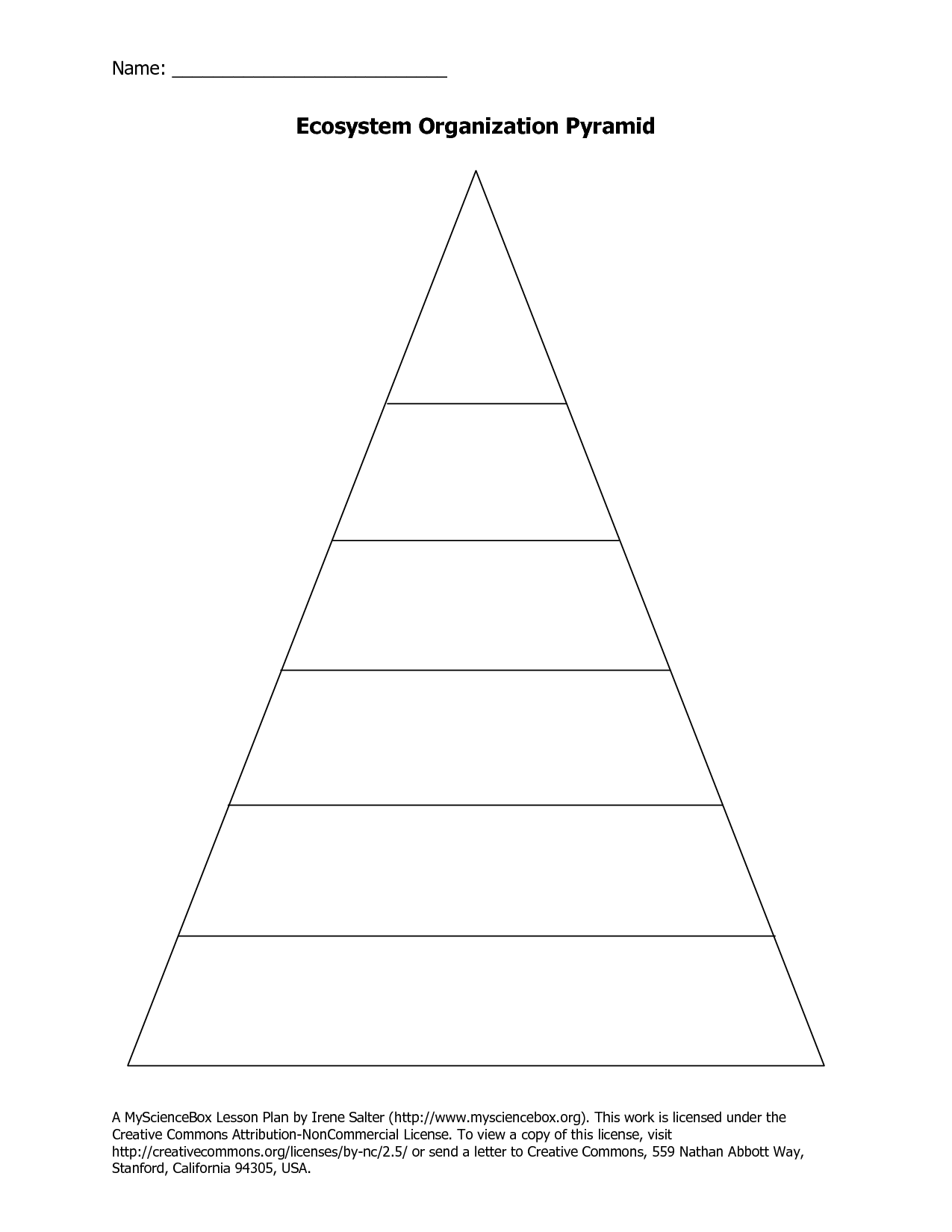
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\_\_\_\_\_Use vocabulary words to build a concept web…see examples on the bulletin board. Connect each term to other terms. Each link or arrow connecting terms should include a description of how interconnected terms are related. Go to my Weebly page and watch first 5 minutes on how to create a concept web. Note: webs can be created as a Word document or using paper and pencil.

\_\_\_\_Food Chain/Food Web/Energy Pyramid (trophic level) Project. Go to my Weebly page and click on <Project> for details related to this project.

\_\_\_\_Interactive Food Chain/Web/Trophic Level Activity (Teacher-led) (Tuesday)

\_\_\_\_Game Task Card. Create an energy pyramid below with organisms with organisms on the task card.



\_\_\_\_\_( Wednesday) Review Kahoot .com (teacher-led) / Interactive Food Chain Game: <http://interactivesites.weebly.com/food-chains.html> (Create a poster or type an essay about the following)

<http://coolclassroom.org/cool_windows/home.html>

\_\_\_\_Review Note: Take Practice Food Web/Chain/Trophic Level Test

\_\_\_\_Megladon Video: How did it survive?

\_\_\_\_Notes: Adaption. PowerPoint (Weebly)

\_\_\_\_Poster Project Create Adaption Poster: Given an organism, research how this organism adapts in environment. Present your poster to the class.

\_\_\_\_Explain the effects on the food chain if one of the following happens within the food web:

One of the links of the food chain is interrupted

Drought Insecticide Predators Invasive species

http://classroom.misd.org/users/0210/Energy%20Flow%20Through%20Living%20Systems%207.5C/Food%20Web%20Food%20Chain%20Project.pdf