Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Food Chain WebQuest

***Beginner Food Webs and Energy Pyramids***

Watch the Food Chains video and answer the following questions.

1. What 3 major things do plants need to make their own food via photosynthesis?

a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. How are producers, consumers, and decomposers similar? How are they different?

a. Similar – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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b. Different – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3. Imagine that a little kid comes up to you and asks, “What is a food chain?” How would you respond to him/her?

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***The Food Chain***

1. Define *food chain.*

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2. Draw an example of a simple food chain in the box below.

***Bigger Food Chain***

1. Describe a bigger food chain.

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2. Draw an example of a bigger food chain in the box below.

***Food Chain Game***

Complete and watch the Food Chain game.

***Food Chain Reaction***

1. Define omnivore. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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2. Define carnivore. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3. Define herbivore. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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4. From where do plants get their energy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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5. Northern food chain completed. Show your computer to Mr. Hill. Initials \_\_\_\_\_\_\_

6. What do you think would happen if you took fish out of the food chain?

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*Continue to the forest food chain.*

7. Forest food chain completed.

8. What do you think would happen if you took the frog out of the food chain?

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***Food Chains and Habitats***

Complete the three Food Chain Challenges.

Food Chain Challenge – Savannah

Food Chain Challenge – Tundra

Food Chain Challenge – Woodland

*Go back to the WebQuest page.*

9. Define food web.

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10. What is the difference between a food web and a food chain?

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***Fun with Food Webs***

11. Complete Meadow Food Web.

12. Complete Arctic Food Web.

13. Complete Pond Food Web.