**“Food Chains and Food Webs” and “Trophic Levels” – 2nd Assignment on CK-12: Unit 10 Ecology**

**READ – “Food Chains and Food Webs”**

1. **FILL IN THE BLANKS and ANSWER QUESTIONS**

#### Watch the Video – Watch all 8 of them

1. **ANSWER the questions – Turn in your paper**
2. **COMPLETE the practice questions (on-line)**
3. **BOTH (paper and on-line) combined for one grade**

**Completion….. (Provide answers only)**

**Summary**

1. Food chains and food webs are diagrams that represent \_\_\_ \_\_\_.
2. Food chains and webs model how \_\_\_ and \_\_\_ move through [\_\_\_](http://www.ck12.org/embed/#module=concept&handle=Ecosystems&branch=biology&nochrome=true&view_mode=embed).

**Review**

1. What is a food chain?
2. Describe the role of decomposers in food webs.
3. Why is a food web more realistic than a food chain?
4. Draw a terrestrial food chain that includes four feeding levels.

**Videos (Watch all 8)**

1. VIDEO 1: Energy is the driving force behind the \_\_\_\_\_.
2. VIDEO 2: When you eat you are obtaining \_\_\_.
3. VIDEO 2: The Sun gives energy to the \_\_\_.
4. VIDEO 2: In a food web the arrows always go \_\_\_ to show \_\_\_ moving through the food web.
5. VIDEO 3: A producer is an organism that makes its own \_\_\_
6. VIDEO 3: Grass goes through \_\_\_\_ so it can go on living
7. VIDEO 4: A consumer in a food web is an organism that \_\_\_ another organism
8. VIDEO 4: Secondary consumers get their energy directly from \_\_\_\_ consumers.
9. VIDEO 5: Decomposers break down dead plants, animals, and wastes of those organisms, and \_\_\_ the \_\_\_ in them.
10. VIDEO 5: Common examples of decomposers are \_\_\_, \_\_\_, and \_\_\_.
11. VIDEO 6: Example 1 – What type consumer is the coyote?
12. VIDEO 7: Example 2 – How much energy is received by tertiary consumers?
13. VIDEO 8: Example 3 – Animals at higher trophic levels have higher concentrations of \_\_\_.

**READ – “Trophic Levels”**

1. **FILL IN THE BLANKS and ANSWER QUESTIONS**
2. **Watch the Video “Trophic Levels”**
3. **ANSWER the questions – Turn in your paper**
4. **COMPLETE the practice questions (on-line)**
5. **BOTH (paper and on-line) combined for one grade**

**Completion….. (Provide answers only)**

**Summary**

1. The different \_\_\_ positions in a food chain or web are called \_\_\_ \_\_\_.
2. Generally, there are no more than \_\_\_ trophic levels because \_\_\_ and \_\_\_ decrease from \_\_\_ to \_\_\_levels.

**Review**

1. What is a trophic level?
2. What do energy pyramids depict?
3. Explain how energy limits the number of trophic levels in a food chain or web.
4. Draw a terrestrial food chain that includes four trophic levels. Identify the trophic level of each organism in the food chain.

**Video**

1. Trophic structure = \_\_\_ \_\_\_ among organisms in a community
2. List the organisms in the food chain shown….
	1. Producer –
	2. 1st Level / Primary consumer -
	3. 2nd Level / Secondary consumer -
	4. 3rd Level / Tertiary consumer -
	5. 4th Level / Quaternary (apex predator) -