Name_____ Block 1 3 4 5 DUE: Friday, February 6th

weekly HOMEWORK: science

8.L.3.3 – Energy Flow Ecosystems

Explain how the flow of energy within food webs is interconnected with the cycling of matter (including water, nitrogen, carbon dioxide and oxygen)

FEBRUARY 2015

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

MONDAY

2

8.L.3.3
Vocabulary

CREATE FLASHCARDS

1. Trophic Level
2. Food chain/Food web
3. Autotroph
4. Heterotroph
5. Marine
6. Terrestrial
7. Aquatic
8. Omnivore
9. Carnivore
10. Herbivore

Remember...

FRONT OF CARD:
- ✎ Word
- ✎ Picture
- ✎ Initials in top left corner

BACK OF CARD:
- ✎ Definition
- ✎ Source

DUE TUESDAY

TUESDAY

3

8.L.3.3
Critical Thinking

ANSWER

1. What is the source of energy for all cycles in an ecosystem?

2. Create a Marine food web labeling the producers, consumers and decomposers. Additionally list the omnivores, carnivores and herbivores.

DUE FRIDAY

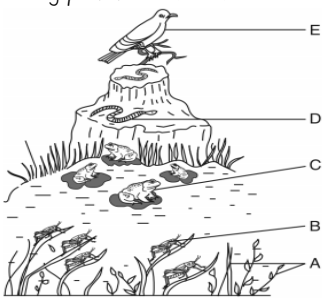
WEDNESDAY

4

8.L.3.3
Critical Thinking

ANSWER

1. Looking at the diagram below, which organisms (A through E) have the MOST energy and the LEAST energy at their level?



2. How does the amount of available energy change as you move up an energy pyramid?

3. How does the number of organisms at each level change as you move up the energy pyramid? Why?

DUE FRIDAY

THURSDAY

5

8.L.3.3
Critical Thinking

ANSWER

1. The primary energy source for most communities is sunlight. Producers use sunlight to make glucose. Consumers eat producers and the glucose for energy. What happens to the energy in a consumer's body when it dies?

DUE FRIDAY

Staple this sheet to the **FRONT** of your completed homework packet prior to submitting it on **FRIDAY**!

weekly HOMEWORK: grade

Based off of student's demonstrated content knowledge and skills

passing: **5** = Superior command **4** = Solid command **3** = Sufficient command

failing: **2** = Partial command **1** = Limited command