

KEY STUDY GUIDE: Food Chains, Food Webs, and Energy Pyramid

1. Abiotic: **an non-living part of an animal's habitat**
2. Biotic: **an living part of an animals habitat**
3. What do all living things share? (What does it take to be alive?)
Growth and development, cells, food, water, waste, response, and reproduction
4. Autotrophs make their own food. Another name for autotroph is **producers**.
5. Heterotrophs get energy from eating other organisms. Another name for heterotrophs is **consumer**.
6. Omnivores: **eats plants and animals**
7. Carnivores: **eats only meat**
8. Herbivores: **eats only plants**
9. Many overlapping food chains is an **food web**.
10. A diagram that shows the amount of energy moving from one feeding level to another **energy pyramid**.
11. Where is the most available energy located in an energy pyramid? **at the bottom or producer level**.
12. Mushrooms are an example of a type of **decomposer**.
13. Photosynthesis Chemical Equation:
Water+ Carbon Dioxide+ Sunlight → Glucose + Oxygen
"WCDS LET'S GO"
14. An organism that makes its own food: **producer**
15. Vultures feed on dead bodies, they are called **scavengers**.
16. The source of energy for most autotrophs is **sunlight**.
17. Ultimately, all living organisms get their energy from the **sun**.
18. What level of the energy pyramid are most species found? **Producer level. Think when you walk outside...what do you see more of plants or animals?**
19. If a car is parked on the grass for more than a couple of days, the grass will die. Why? **Because it doesn't get any sunlight, therefore it can't make its own food and will die.**
20. What do the arrows in a food chain or food web represent? **Energy being transferred between organisms.**



Use the food web above to answer the following questions.

21. Name two organisms that GIVE energy to the lion. **Jackal, Kite, Goat, Wild Cat**
22. Name two organisms that feed on a producer. **Rabbit, Goat, Mouse**
23. The snake would be considered a secondary consumer in this food web.
24. If the Jackal eats a goat who eats the green plant...the jackal is a secondary consumer.
25. What type of organism is missing from the food web? **Decomposers**