

# Energy Ecosystem Flow Notes

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| The Sun              | All _____ for _____ organisms comes from the _____.  |
| Plants               | Plants _____ light energy and convert it to _____ through _____<br>This _____ energy then can be _____ to other organisms through _____.   |
| Energy (Food) Chains | A simple _____ that shows how _____ moves from the _____ to _____.<br>Sun → _____ → Mouse → Rattlesnake → _____<br>→ Bacteria<br>Arrows show the direction the energy moves and which organism gets eaten. |
| Food Webs            | Complex _____ that show how _____ moves through an _____.<br>A food web is a _____ of intertwined food _____.  |
| Energy Pyramids      | Energy pyramids show the _____ of energy _____ at each feeding _____ in an ecosystem.<br>Bottom=_____ =most energy.<br>Top=smaller=_____ energy.   |
| Energy Loss          | Energy is _____ as _____ at each level.<br>_____ is passed to the next level.<br>_____ is lost at each level.  |
| Producers            | An organism that _____ its _____ food.<br>— _____  |
| Consumers            | Organisms that _____ make their _____ food.  |

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|--------------------|---|
| Types of Consumers | They _____ their food by _____ other organisms.<br>Organisms are classified according to the _____ they are in a _____. |
|                    | Some organisms can be at _____ levels depending on what they _____.   |
|                    | When the bear eats _____, it is the primary consumer.<br>When the bear eats a _____, it is a _____ consumer.            |
|                    | Consumers are also classified by _____ they _____.<br>- Herbivores<br>- _____<br>- _____                                |
| Herbivores         | Organisms that _____ eat _____.<br>-Examples<br>Grasshoppers<br>_____<br>Deer<br>Beavers<br>_____<br>_____<br>Sheep     |
| Carnivores         | Organisms that _____ eat _____<br>-Examples<br>_____<br>Frogs<br>_____<br>_____<br>_____<br>Lions                       |
| Omnivores          | Organisms that _____ both _____ and _____<br>-Examples<br>_____<br>Turtles<br>_____<br>Squirrels                        |
| Decomposers        | End of all food chains<br>Break down dead organisms into smaller molecules.<br>-Examples<br>_____<br>_____              |

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