

## Energy in Ecosystems

Energy flow in all ecosystems is controlled by two '*Laws of Thermodynamics*'

*First Law-Energy can neither be created nor destroyed, only changed in form.*

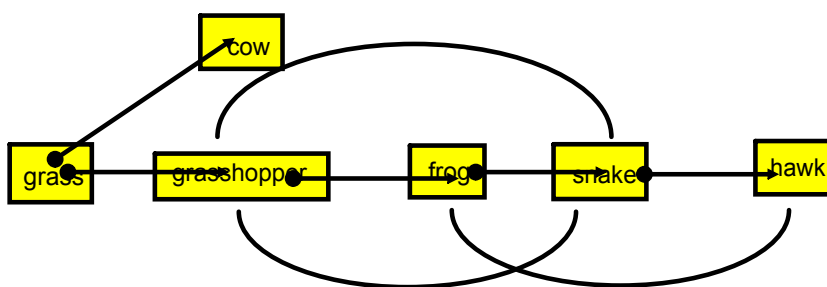
*Second Law-No energy conversion can be 100% efficient.*

-these two laws govern ALL energy use and consumption in our physical world, AND determine how various biotic components interact with their corresponding abiotic components.

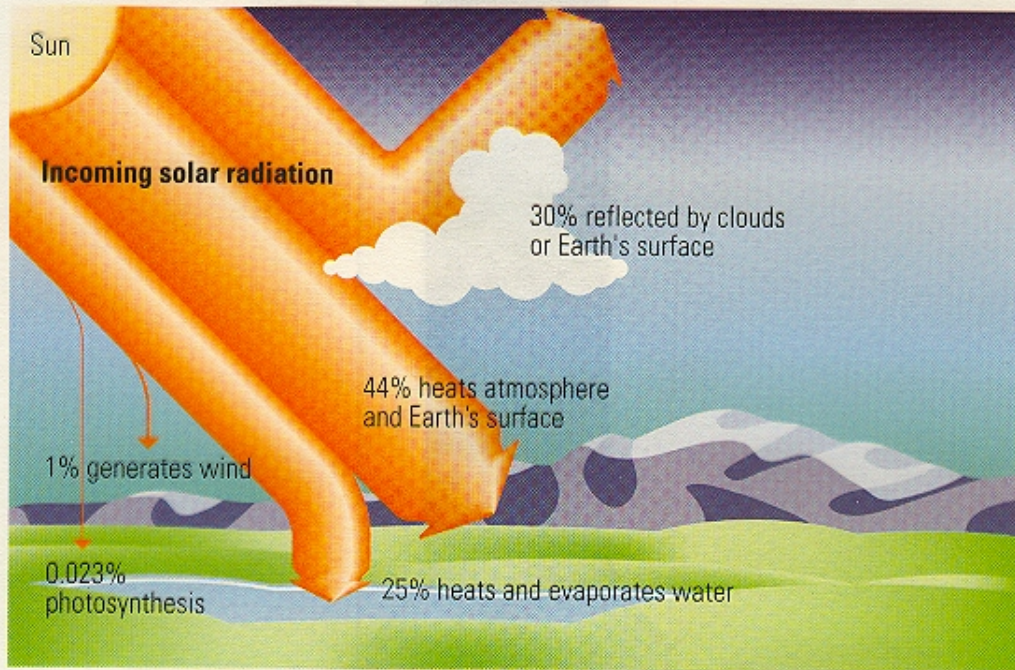
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## Food Chain

place the following in a logical sequence



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A model of the flow of energy from the Sun, to Earth, and back into space.