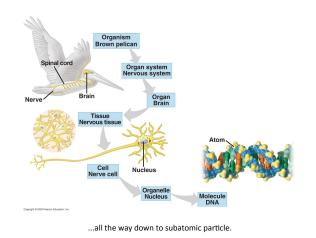
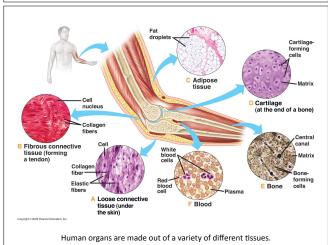


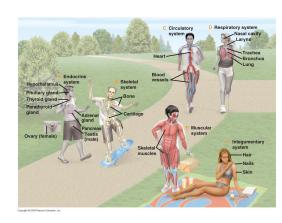
There are 13 levels of organization in biology.



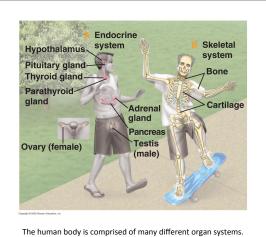
The 13 levels go from biosphere...

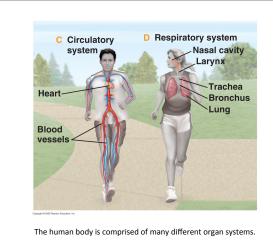


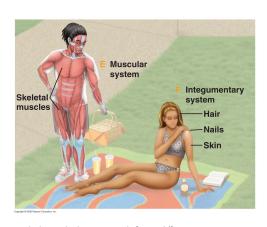




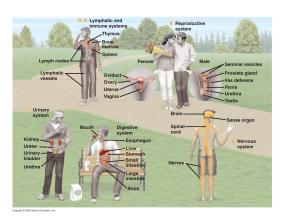
The human body is comprised of many different organ systems.







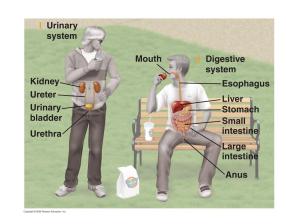
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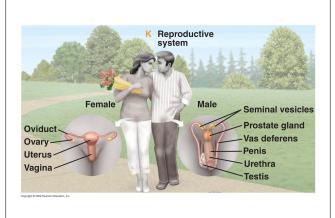
The human body is comprised of many different organ systems.



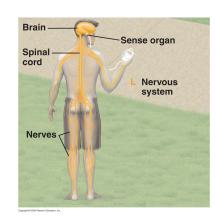
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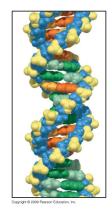
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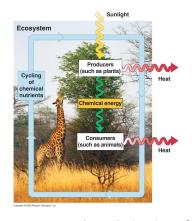
The human body is comprised of many different organ systems.



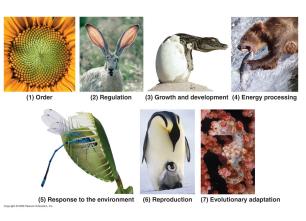
DNA is like the alphabet used by all living things.



DNA is a molecule that is shaped like a double helix.



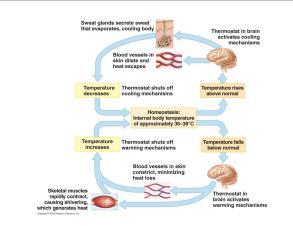
In the environment, matter (nutrients) cycles and energy flows.



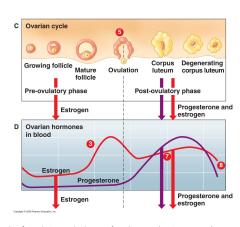
There are seven important properties of life.



All living things have a complex organization.



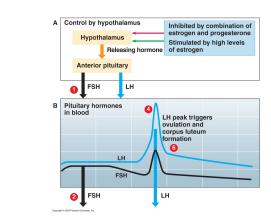
Maintaining a stable body temperature is one example of regulation in humans.



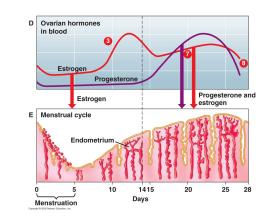
An example of regulation is the human female reproductive system (menstrual cycle).



The butterfly, nautilus, flower, and plant root cells all show biological order/organization.



An example of regulation is the human female reproductive system (menstrual cycle).

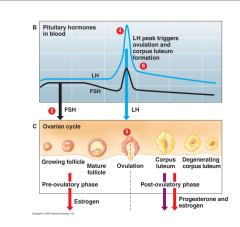


An example of regulation is the human female reproductive system (menstrual cycle).

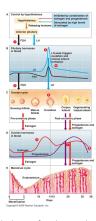


(2) Regulation

All living things maintain a stable internal environment (homeostasis).



An example of regulation is the human female reproductive system (menstrual cycle).



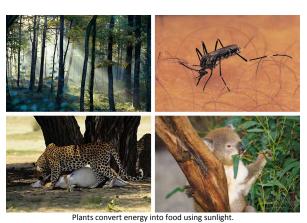
An example of regulation is the human female reproductive system (menstrual cycle).







All living things require energy.





(5) Response to the environment All living things respond to stimuli.

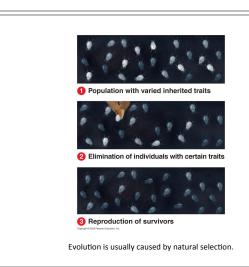


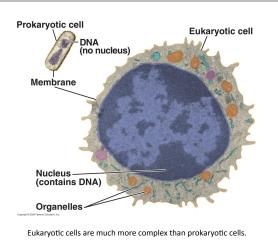
All living things reproduce. It's the most important thing in life.

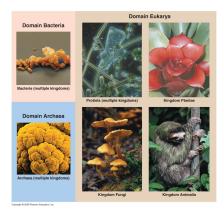




All living things adapt and evolve to the environment.



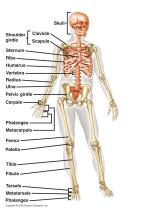




The 3 domains of living things are Bacteria, Archaea, and Eukarya.



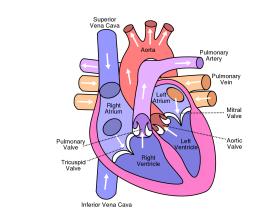
These gears demonstrate the relationship between STRUCTURE (what an object looks like) and FUNCTION (how an object works).



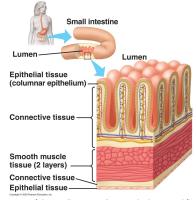
The structure of the human skeleton (position of the bones) determines its function (movement and structural support).



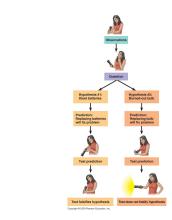
The structure of bird's bones (hollow in the center) determines its function (ability to fly).



The structure of the heart (empty muscular cavities) determines its function (pumps blood throughout the body).



The structure of the small intestine (2 muscular layers and finger-like connective tissue) determines its function (digestion and movement of food).



The scientific method is used to solve problems in biology.