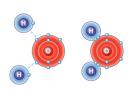
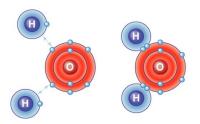
Unit 2 Biochemistry

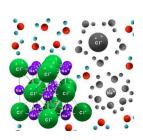
Question #4: What is the relationship between energy and matter?

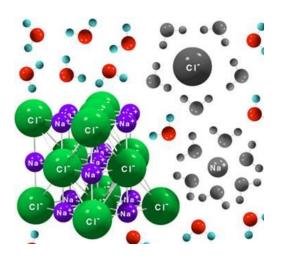


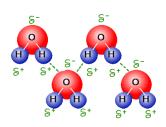


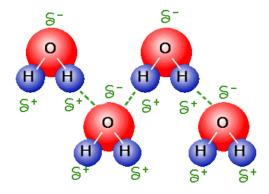


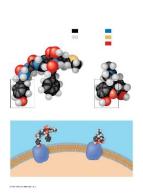


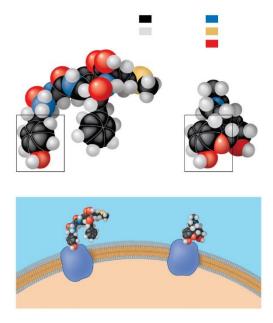




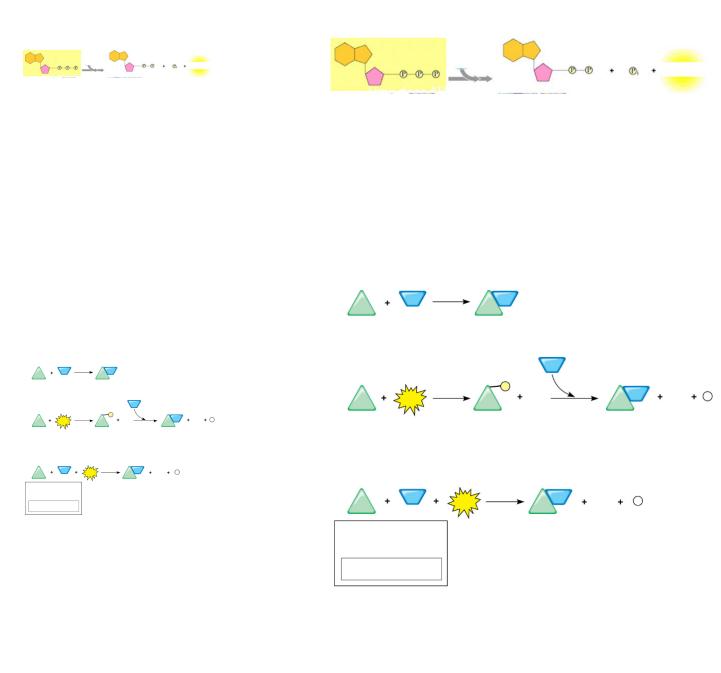


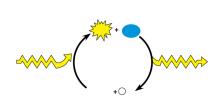


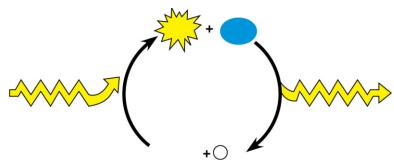


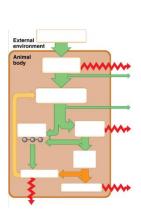


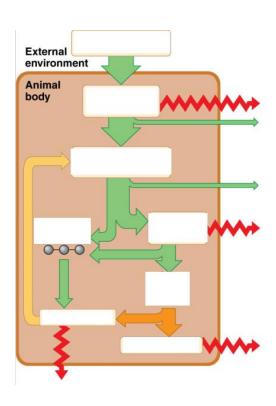
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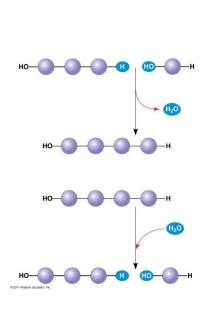


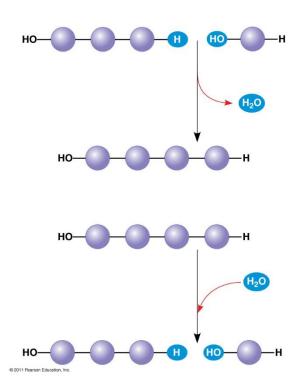


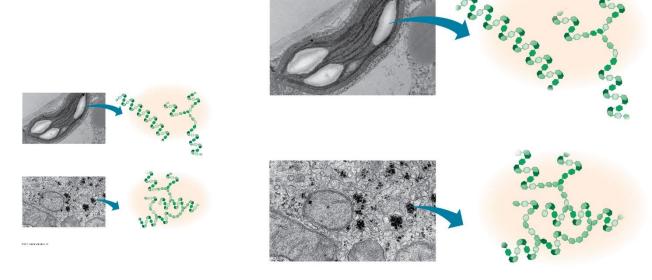




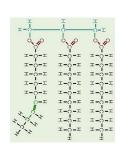
Question #7: How do the major molecules of life form, and what do they do?

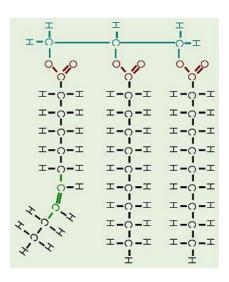


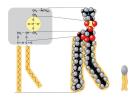


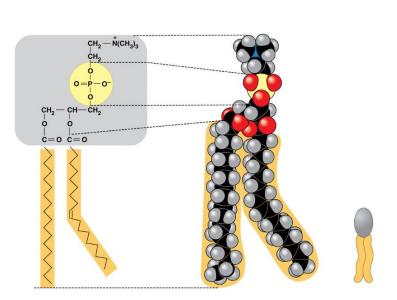


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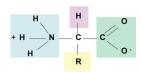


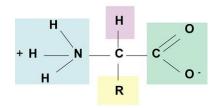


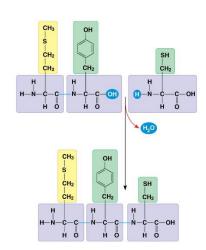




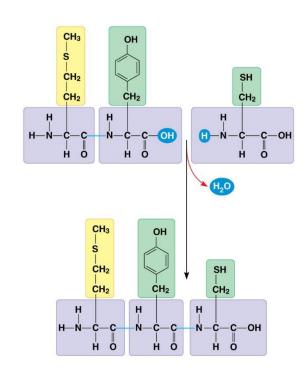
Testosterone



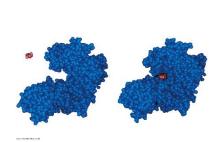


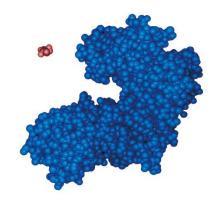


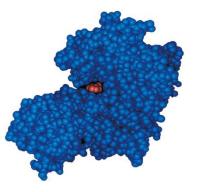
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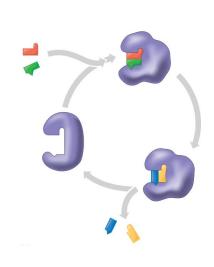


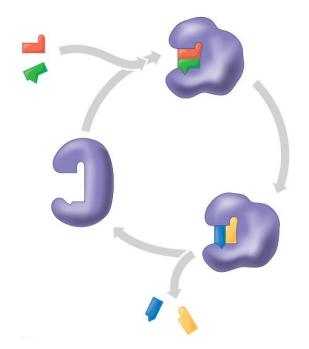






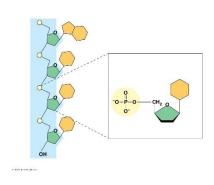
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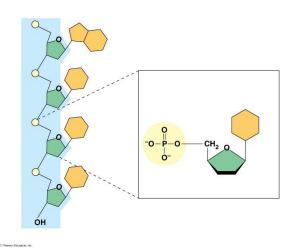


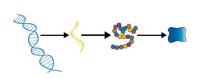


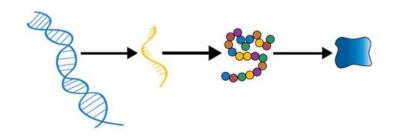


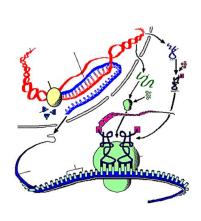


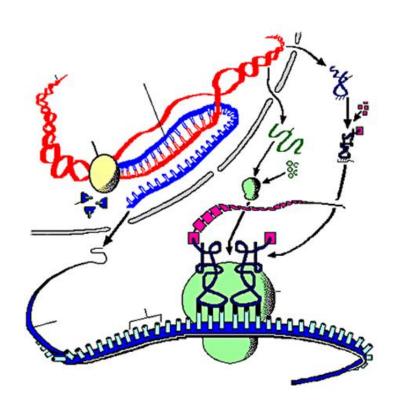




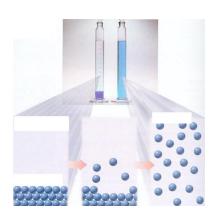


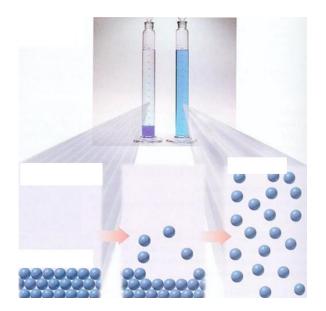




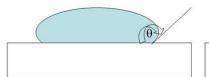


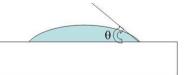
Question #8: Why does life as we know it depend on water?



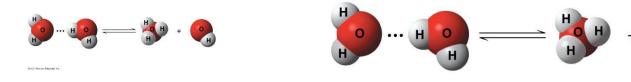






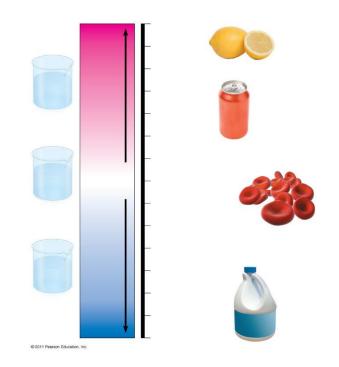


Question #9: What causes pH change?



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$$\mathrm{HCO}_{3}^{-} + \mathrm{H}^{+} \leftrightarrow \mathrm{H}_{2}\mathrm{CO}_{3} \leftrightarrow \mathrm{CO}_{2} + \mathrm{H}_{2}\mathrm{O}$$

$$HCO_3^- + H^+ \leftrightarrow H_2CO_3 \leftrightarrow CO_2 + H_2O$$

