

Lecture 6: Active Learning Questions

1. Dr. Brilla at Western Washington compares the GI tract to a doughnut. In her analogy, what does the *hole of the doughnut* represent? List 3 *accessory organs* of digestion. *Draw a doughnut below and include within your sketch an accessory organ of digestion. How are the doughnut body and accessory organ connected? Draw and label this connection.*
2. What is *hydrolysis*? What 3 *elements* or components are *required for hydrolysis* to take place? List 3 general *energy nutrient polymers* and their corresponding *monomers* that are produced as end-products of enzymatic digestion.
3. *What energy nutrients* are digested by *pancreatic enzymes*? What else does the *pancreas* do besides produce enzymes for digestion? List at least 2 *other functions*.
4. *Where* does most *absorption of essential nutrients* take place in the gut? *What is lactose intolerance*? What % of *humans worldwide* have lactose intolerance? What steps can be taken to *minimize the effects* of lactose intolerance?
5. *What are the parts of the large intestine*? *What are the major functions* of the large intestine?