

Digestion Project

Imagine biting into a nice IN-N-OUT Double-Double burger with everything on it. As you are chewing you realize, "Hey I know everything that is going to happen to this bite of food as it makes its journey from my mouth to my anus." Use the following word list to write a description of everything that happens in your digestive system as the food makes its way through. Also, go to In-N-OUT or the website, find the nutrition information on a Double/Double, make your own chart with all the nutritional information and add it to your project.

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|--------------------------|---------------------------------|
| 1. Carbohydrates | 28. Lactase |
| 2. Lipids | 29. HCl |
| 3. Proteins | 30. Chyme |
| 4. Mouth | 31. pancreatic juice |
| 5. Pharynx | 32. Bile |
| 6. Esophagus | 33. Bile salts |
| 7. Stomach | 34. Emulsification |
| 8. Small intestine | 35. villi |
| 9. Large intestine | 36. Duodenum |
| 10. Rectum | 37. Jejunum |
| 11. Anus | 38. Ileum |
| 12. Mechanical digestion | 39. 2,000 sq ft of surface area |
| 13. Chemical digestion | 40. Hiatal Hernia |
| 14. Tongue | 41. Cecum |
| 15. Saliva | 42. Colon |
| 16. amylase | 43. Rectum |
| 17. glucose | 44. Anal canal |
| 18. bolus | 45. cellulose |
| 19. heartburn | 46. feces |
| 20. Stomach acid | 47. flatulence |
| 21. Mucus in stomach | 48. fiber |
| 22. Pepsin | 49. Stool |
| 23. enzyme | 50. Bowel movement |
| 24. substrate | 51. Pancreatic Amylase |
| 25. lactose intolerance | 52. Pancreatic Lipase |
| 26. <i>H. pylori</i> | 53. Pancreatic Trypsin |
| 27. Ulcers | |

Make sure to talk about what happens to the bun, burger, cheese, lettuce, tomatoes, pickles, onions, and that special (fatty) sauce.

Your grade for your Digestion project will be based on:

1. The thoroughness of your explanation
2. The number of digestion vocabulary words that you correctly use.
3. Diagram of the digestive system and where things happen. (You can put everything on one poster board if you want with pics of you at IN-N-OUT.

*****IMPORTANT!!!! – Make sure you circle each word ONCE as it appears (don't circle repeats)**