

Obesity, Genes, and Environment

Directions: Respond to following questions. Your responses must well constructed, detailed and thoughtful.

You **MUST** submit your paper to turnitin.com before the assigned deadline. If you fail to turn your assignment in to turnitin.com you will not receive a grade on this assignment until you do, and will **lose half-credit** for not following directions. One hard copy submitted to teacher on the assigned date. If I do not receive a hard copy you will not receive a grade. This assignment is worth 30 points.

1. Millions of people diet each year in the United States. Some lose weight, but few successfully keep the weight off. Propose some explanations for such findings. As a genetic researcher, how could you test your proposed explanations?
2. Standing in line at the grocery store, you notice the recent newspaper headline, “Couch Potatoes Born, Not Made: Children’s TV Habits may be Hereditary.” How can TV habits be inherited? What other explanations might there be? As a genetic researcher, how could you test your proposed explanations?
3. Explore one of the websites below. Discuss their explanations (or lack thereof) of genetic and environmental components of obesity. What is your opinion of the article?

The Complexity of Obesity

http://www.innerself.com/Magazine/Health/Complexity_of_Obesity.htm

The Real Cause of Obesity

<http://www.newsweek.com/2009/09/09/the-real-cause-of-obesity.html>

Obesity and Genomics

<http://www.cdc.gov/genomics/resources/diseases/obesity/obesedit.htm>

4. Choose two of the websites below to explore. 1. Summarize the article. 2. In your opinion, what was the most interesting aspect of the article? Why?

Battling Obesity in America

<http://www.cbsnews.com/stories/2010/01/07/eveningnews/main6069163.shtml>

Childhood Obesity

<http://www.ext.colostate.edu/pubs/foodnut/09317.html>

Obesity in Kids: Three Lifestyle Changes that Help

<http://www.time.com/time/health/article/0,8599,1960732,00.html>

5. Read the following web page and then click on one of the links. Provide a summary for the link you explored. Make sure to identify which link you read.

Childhood Obesity

<http://www.cdc.gov/HealthyYouth/obesity/>

