

2. Choose one of the following Enduring Understandings and explain how this Enduring Understanding is illustrated by research results concerning the relationship of health to overweight and excess fat in humans.

- varying degrees of certainty, not just true or false.
- scientific method as an iterative process, with refinement of hypotheses

(3 points)

2/3

After gathering the results, the hypothesis should then be refined while the question may need to be refined to explain what "fat" is. The experiment should be able to be repeated, and researchers should observe + analyze the findings to eliminate any confounding factors that may have been present during the study. After careful analysis of the data, the hypothesis should be revised, but the data may be skewed due to confounding factors. Therefore, the correlation does not exemplify causation: Varying degrees of certainty. After an experiment, researchers should go back to their question, hypothesis, and experimental steps to refine it: Scientific

3. Which one of the following statements is true? (Circle the letter.) For each of the false statements, change one word to make the statement a true statement. (Do not insert "not".) (3 points)

- a. A ribosome forms hydrogen bonds between adjacent amino acids in a polypeptide.
- b. Lipids are nonpolar molecules that contain primarily carbon and hydrogen.
- c. tRNAs play a crucial role in transcription.

method as an iterative process of refinement of hypotheses - to compare results and what was first thought.

Your Grade: 85 / 100

