

Format: 9 multiple choice questions and 3 open ended questions

Concepts to Review:

- Enzymes and the Digestive System (see Homework 17)
  - Understand the terms *metabolism* and *homeostasis*.
  - Understand the terms *organic* and *inorganic*.
  - Understand the job of *enzymes* and understand how it relates to the terms *substrate* and *catalyst*.
  - Be able to explain why the shapes of enzymes are important.
  - Understand the term *denature* and be able to explain how a protein can become denatured.
  - Know the basic building blocks and functions of *carbohydrates* and *proteins*.
- Hormones and the Endocrine System (see Homework 18)
  - Be able to describe the role of a few hormones (such as insulin) in the human body.
  - Be able to explain how *negative feedback* ensures that hormone levels remain stable.
  - Be able to explain what happens in *diabetes*, including the gland and hormone involved.

Practice Quiz Questions:

- Visit the “Practice Exam Questions” page on the course website at [www.spraguescience.com](http://www.spraguescience.com).
- Download the “Homeostasis in Humans – Exam” file.
- Try the following practice questions in the file: 11–43, 49–53, 56–59, and 63–66.
- Check your work by downloading the answer keys.