All review questions for the Introduction to Physiology course were adapted from our physiology textbook and its website, and also from 1700+ Review Questions for Anatomy and Physiology II (3rd edition) by R. Michael Anson, Ph.D.

Also note that the review problems are numbered but that a few problem numbers are missing. This is intentional because a few of the review problems were deliberately deleted.

Review questions for Introduction to Physiology lecture

Multiple choice review questions

- 1) Pathophysiology is the study of
 - A) How physiological processes are altered in disease or injury.
 - B) How the body works in tasks essential for life.
 - C) Other animal structures and functions as they compare to humans.
 - D) The scientific method and its application to humans.
- 2) In a negative feedback loop used to maintain homeostasis, which of the following is used?
 - A) sensor.
 - B) integrating center.
 - C) effector.
 - D) all of the above.
- 3) Homeostasis is best conceived as a state of
 - A) regulation by negative feedback.
 - B) constancy of internal conditions
 - C) regulation by positive feedback.
 - D) isolation from external environment
- 5) Most often, the integrating center in a homeostasis system will be located within the:
 - A) Sensor
 - B) Brain
 - C) Effectors
 - D) Set Point

Answers to multiple choice questions:

- 1) A
- 2) D
- 3) B
- 5) B

Fill-in-the-blank review questions

5) Negative6) Chemistry

1) Anatomy is the study of the and of the body parts in the normal (healthy	of the body parts, while physiology is the study of the y) state.
2) The study of physiological processes of dis	ease or injury is called
3) Physiological processes maintain in	n the body.
4) Effectors that have opposing effects are said	d to have actions.
5) In a feedback loop, a change in a conintegrating center stops the effector that cause	ndition is sensed by an integrating center and then the d the change.
6) Although physiology is classified as one of the study of the of the body.	the biological sciences, much of physiology is involves
7) An organism's ability to maintain steady in (for example, our ability to maintain a cons	ternal conditions despite changes in the environment tant body temperature) is called
8) The three components of a system which many and a(n)	naintains homeostasis are a(n), a(n)
9) To maintain homeostasis, a(n) must detect changes.	monitor the internal or external environment to
10) To maintain homeostasis, a(n) mus occurred by triggering events which will co	t respond to signals indicating that a change has unteract the change.
11) To maintain homeostasis, a(n) mus being maintained.	t be capable of altering the condition that is
Answers to fill-in-the-blank review question	<u>1s:</u>
1) Structure	7) Homeostasis
Location	8) Sensor
Function	Integrating center
2) Pathophysiology	Effectors
3) Homeostasis	9) Sensor
4) Antagonistic	10) Integrating center
5) Negative	11) Effector