Name	Class	Date	
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Study Guide 28.2: Mechanisms of Homeostasis

KEY CONCEPT

Homeostasis is the regulation and maintenance of the internal environment.

VOCABULARY

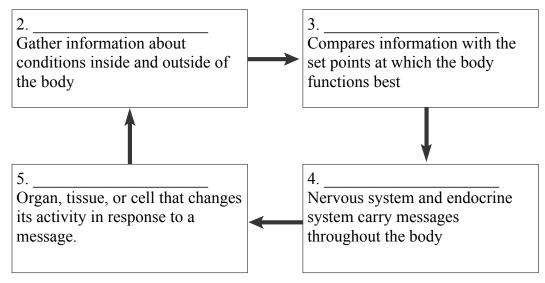
homeostasis	negative feedback
feedback	positive feedback

MAIN IDEA: Conditions within the body must remain within a narrow range.

Fill in the blank with the word or phrase that best completes the sentence.

1. The body regulates its internal environment to stay within the normal range that supports life. This regulatory process is called

Fill in the name of the parts of the control system in the Cycle Diagram below.



6. Homeostasis cannot be maintained if a _______organ cannot respond to a sensor's signal.

Name	Class	Date
MAIN IDEA: Negative	feedback loops are neces	ssary for homeostasis.
7. Write the type of fe and diagram.	eedback, <i>positive</i> or <i>negati</i>	ive, next to the correct description
athe body back to	Counteracts a channel into muscle cells.	hange in a way that helps bring ng faster while running to keep
		e in a way that enables the body bood clotting to begin healing a
Fill in the blank with th	e word or phrase that best	completes the sentence.
	rou're sweating. Sweating label. This response is an exam	helps keep body temperature mple of
growing. When add amount of growth l	althood is reached, the bod	the years that a child's body is dy's cells no longer need the same duction is reduced. This response eedback.
Vocabulary Che	ck	
Fill in the blank with th	e word or phrase that best	completes the sentence.
	lows a control center to conthe body is called	mpare current conditions with the
	nan body must maintain ar s of what happens outside t	n internal environment that stays the body. The process of

maintaining a stable internal environment is called _____