Quizlet

NAME	

33 Multiple choice questions

5	wuut	ipie choice questions
1.	a. b. c.	alised cells or groups of nerve endings that detect sensory stimuli chemoreceptors response effector receptors
2.		of the brain involved in homeostatic mechanisms such as temperature regulation and water balance in imals
	a.	hypothalamus
	b.	catalysts
	c.	ectothermic
	d.	endothermic
3.	a gro	up of sensory receptors and associated non-sensory tissue specialised for detecting stimuli in the environment
	a.	receptors
	b.	nerves
	c.	response
	d.	sense organs
4.		esses which maintain a stable internal environment in an organism, despite fluctuations in the external onment
	a.	homeostasis
	b.	hypothalamus
	c.	metabolism
	d.	receptors
5.	-	non-protein molecule needed by an enzyme for its activity effector
		cofactor

c. receptorsd. denature

ogy 1	l Temp	erature Regulation Quizlet 4/01/2016
6.		iew of enzyme functioning based on the idea that an enzyme is not rigid, but alters shape slightly when it binds a substrate
	a.	receptors
	b.	induced-fit model
	C.	denature
	d.	lock-and-key model
7.	a mo	lecule upon which an enzyme acts
	a.	set point
	b.	response
	c.	denature
	d.	substrate
8.	bund	lles of sensory or motor fibres of neurons which act as messengers, transmitting impulses
	a.	anabolic
	b.	response
	c.	enzymes
	d.	nerves
9.	the r	naximum level at which all available enzymes are being used to catalyse a chemical reaction
	a.	active site
	b.	catabolic
	c.	set point
	d.	saturation point
10.	spec	alised sensory nerve receptors that receive and respond to stimuli originating from within the body
	a.	thermoreceptors
	b.	chemoreceptors
	C.	receptors
	d.	interoreceptors
11.	parts	of the nervous system that include the brain and spinal cord
	a.	central nervous system
	h	catalysts

- c. heat-loss centre
- d. control centre

ology 1	l Temp	perature Regulation Quizlet	4/01/2016 1
12.	a.	stimuli	
	c.	ectothermic nerves active site	
13.	a. b. c.	of the hypothalamus in the brain that triggers responses in the body to generate heat heat-loss centre control centre heat-gain centre	
14.	the v like a a. b.	saturation point view of enzyme functioning based on the idea that an enzyme is rigid and reciprocally shaped to fit a subset induced-fit model enzymes lock-and-key model active site	ubstrate
15.	an aı a. b. c.	nimal that depends on an external source for heat energy receptors endothermic catabolic ectothermic	
	a. b. c. d.	of the hypothalamus in the brain that triggers responses in the body to cool down heat-gain centre interoreceptors heat-loss centre control centre	
17.		sum of the chemical processes occurring within a living cell or organism catabolic	

b. metabolism

c. anabolic d. set point

18.	the change of shape of a protein, due to heat or changed pH, causing it to lose its ability to function	
	a. receptors	
	b. denature	
	c. response	
	d. enzymes	
19.	any behaviour of a living organism that results from a stimulus	
	a. response	
	b. nerves	
	c. receptors	
	d. set point	
20.	biological protein catalysts produced by cells, responsible for all chemical reactions in living organisms	
	a. denature	
	b. enzymes	
	c. stimuli	
	d. nerves	
21.	an enzyme that can work on only one particular substrate molecule, because the active site is reciprocally shaped t bind with that molecule	to
	a. ectothermic	
	b. substrate-specific	
	c. saturation point	
	d. substrate	
22.	an animal whose heat is generated through its own metabolic activities	
	a. endothermic	
	b. hypothalamus	
	c. enzymes	
	d. ectothermic	
23.	process controller that detects incoming information and relays outgoing information to regulate functioning	
	a. heat-loss centre	
	b. heat-gain centre	
	c. interoreceptors	
	d. control centre	

24.	the organ, gland or muscle that carries out a response when activated by nerve endings as a result of a stimulus	
	a. denature	
	b. effector	
	c. cofactor	
	d. receptors	
25.	breaking down complex molecules into simpler ones, releasing energy	
	a. metabolism	
	b. anabolic	
	c. catabolic	
	d. catalysts	
26.	any one of a number of quantities (such as temperature and pH) which the body tries to keep steady at a particula value during homeostasis	r
	a. metabolism	
	b. stimuli	
	c. response	
	d. set point	
27.	changes in the environment detected by the sensory organs	
	a. anabolic	
	b. catabolic	
	c. denature	
	d. stimuli	
28.	sensory cells in an organism that detect chemical stimuli	
	a. chemoreceptors	
	b. thermoreceptors	
	b. thermoreceptorsc. receptors	
29.	c. receptors	
29.	c. receptors d. interoreceptors	
29.	c. receptors d. interoreceptors sensory cells or organs that detect heat or cold	
29.	c. receptors d. interoreceptors sensory cells or organs that detect heat or cold a. thermoreceptors	
29.	c. receptors d. interoreceptors sensory cells or organs that detect heat or cold a. thermoreceptors b. receptors	

c. catabolic

d. metabolism

30.		f-regulatory biological system where a response counteracts the stimulus, reducing its effect so that a balance is stained
	a.	nerves
	b.	negative feedback
	c.	ectothermic
	d.	active site
31.	fat p	resent in many hibernating mammals with the purpose of generating body heat
	a.	set point
	b.	cofactor
	c.	brown fat
	d.	response
32.	subs	tances that speed up reversible chemical reactions
	a.	anabolic
	b.	cofactor
	c.	catalysts
	d.	catabolic
33.	react	ions that build complex molecules from simpler ones, requiring energy input
	a.	stimuli
	b.	anabolic