

BIO137 HOMEOSTASIS FINAL STUDY GUIDE (20 points)

1. Define the term *homeostasis*.

2. How are most homeostatic mechanisms regulated?

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3. What part of the brain regulates most homeostatic processes?

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4. What are the four cooling mechanisms that help regulate body temperature?

5. What are the three mechanisms that conserve and/or produce heat to help regulate body temperature?

6. Physiologic pH of human blood is 7.4. We studied how pH is maintained in Ch. 2. What works to ***prevent abrupt pH changes?***

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7. Why does bone remodeling directly affect blood calcium homeostasis?

8. What hormone is secreted when blood calcium levels fall below normal?

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9. Name the three target sites of the hormone named in #8 above.

10. Name a homeostatic process in humans ***other than*** regulation of body temperature and regulation of blood calcium levels.

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BIO 137 LEVELS OF ORGANIZATION TABLE
FINAL EXAM
(30 POINTS)

LEVEL NAME	DEFINITION OF LEVEL	EXAMPLE IN MUSCULAR SYSTEM	EXAMPLE IN MUSCULAR SYSTEM
			N/A
		N/A	N/A