

THE ENDOCRINE SYSTEM

Interactive Practice • Hormones and Negative Feedback

Name: _____ Class: _____ Date: _____

A. Choose the correct answer

1. Endocrine glands make chemical messages called:

■ hormones ■ enzymes ■ blood cells

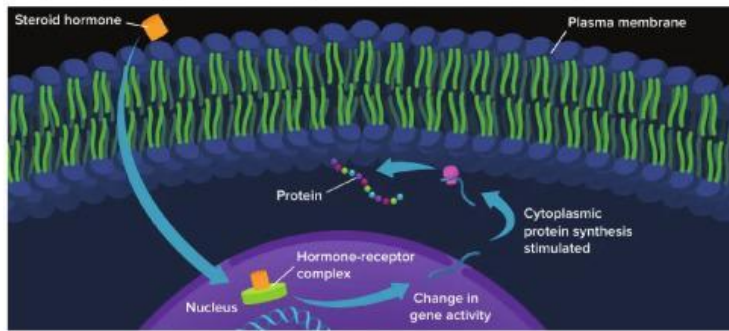
2. Hormones travel around the body mainly through the:

■ bloodstream ■ bones ■ skin

3. A steroid hormone can:

■ pass through the cell membrane ■ stay only outside the cell

by causing the target cells to initiate protein synthesis, as illustrated in Figure 4.2.



Steroid hormone

4. The receptor for a steroid hormone is:

■ inside the cell ■ outside the body

B. Drag the words to the correct box

Drag: INSIDE THE CELL CELL MEMBRANE

Steroid hormone receptor

DROP HERE

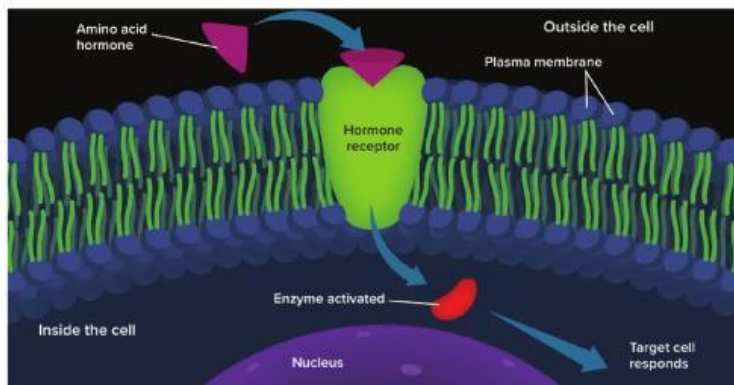
Amino acid hormone receptor

DROP HERE

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C. Look at the picture



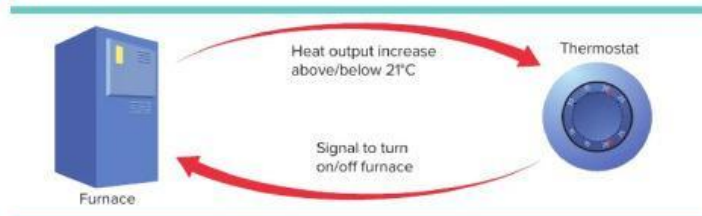
5. This picture shows an:

- ☐ amino acid hormone ☐ steroid hormone

6. An amino acid hormone binds to a receptor:

- ☐ on the cell membrane ☐ inside the nucleus

D. Negative Feedback



Negative feedback helps keep conditions stable.

7. If a room becomes too cold, the thermostat turns heating:

- ☐ ON ☐ OFF

8. Negative feedback helps the body maintain:

- ☐ homeostasis ☐ movement only

E. Complete

9. Chemical messages made by endocrine glands are called _____.

10. Keeping internal conditions stable is called _____.

F. Quick Review

11. Which hormone type can pass through the cell membrane?

- ☐ steroid ☐ amino acid

12. Which hormone type binds to a membrane receptor?

- ☐ amino acid ☐ steroid