

Download Example Of Homeostasis By Negative Feedback

A good example of a negative feedback mechanism is a home thermostat (heating system). The thermostat contains the receptor (thermometer) and control center. If the heating system is set at 70 degrees Fahrenheit, the heat (effector) is turned on if the temperature drops below 70 degrees Fahrenheit. One example of negative feedback in homeostasis is the way the body regulates blood pressure. The receptors in this case are pressure-sensitive veins located near the heart and the head. The receptors in this case are pressure-sensitive veins located near the heart and the head. Other examples of negative feedback loops include the regulation of blood sugar, blood pressure, blood gases, blood pH, fluid balance, and erythropoiesis. Positive Feedback Loops. Instead of reversing it, positive feedback encourages and intensifies a change in the body's physiological condition, actually driving it farther out of the normal range. This type of feedback is normal for the body, provided there is a definite endpoint. Homeostasis: Negative Feedback Examples. TSH stimulates the thyroid gland to release TH into the blood. TH then acts on the v\cells (Effectors). EFFECTORS: Effectors repond to increased levels of TH in the following ways: ALL CELLS, ESPECIALLY NEURONS: Increased metabolic rate. Increased glucose uptake., Example Of Homeostasis By Negative Feedback.

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