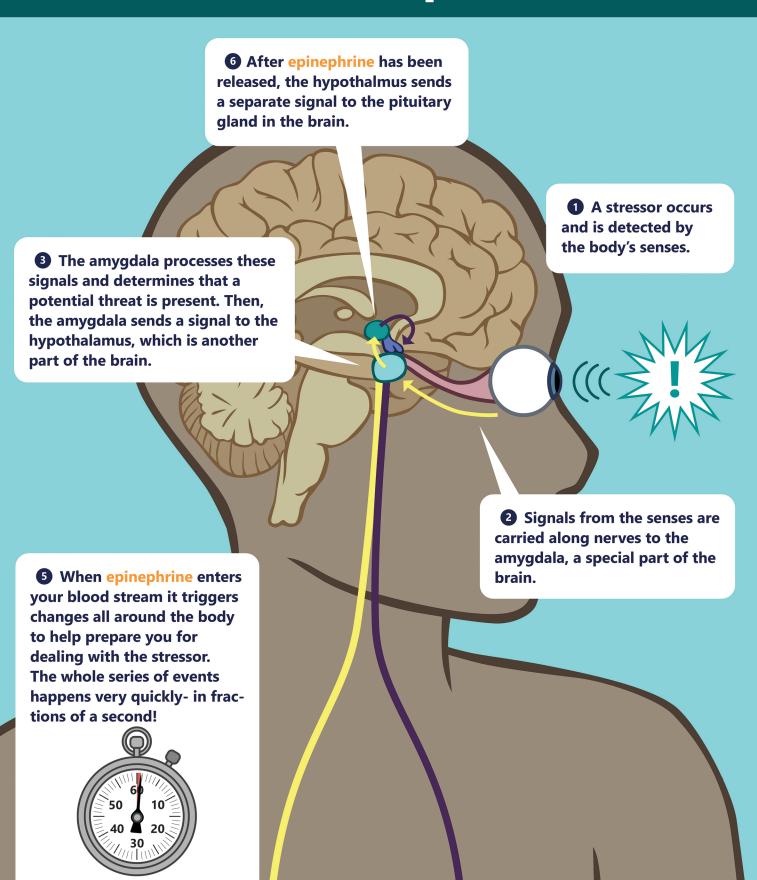
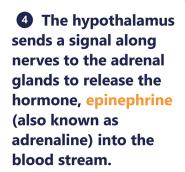


The Physiology of the Stress Response





The pituitary gland sends this signal down to the adrenal glands and tells them to release another hormone, cortisol, into the blood stream.

3 Cortisol helps the body to stay on high alert until the stressor is no longer a threat. This process is much slower and lasts for a longer amount of time than epinephrine. After the stressor passes, cortisol levels fall and return to normal.









Adapted from: B.S. McEwen, J.C. Wingfield, in Encyclopedia of Stress (Second Edition), 2007. Retrieved from https://www.health.harvard.edu/staying-healthy/understanding-the-stress-response



Physiology of the Stress Response Interfactive Worksheet

Name	Date
Imagine a stressful stimulus. In a and which senses are involved in	a few sentences describe what the stimulus is, n detecting it.
Color in the part of the brain that determines if the stimulus is a th	

The hypothalamus is involved in sending signals to two places, what are they?

There are 2 hormones released from the adrenal glands, each having different effects. Match the hormone to how quickly it is released.

Hormones	Speed
epinephrine	more slowly
cortisol	very quickly

6 What needs to happen for cortisol level to return to normal?



Answer Key



Physiology of the Stress Response Interfactive Worksheet

Name Date

1 Imagine a stressful stimulus. In a few sentences describe what the stimulus is, and which senses are involved in detecting it.

Student answers will vary.

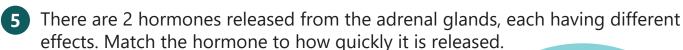
- Color in the part of the brain that determines if the stimulus is a threat.
- From where is adrenaline released?

the adrenal glands

The hypothalamus is involved in sending signals to two places, what are they?

the adrenal glands and

the pituitary gland



epinephrine more slowly cortisol very quickly

6 What needs to happen for cortisol level to return to normal?

The stressor needs to no longer be a threat.

