



Fight or Flight Response

When a stressful stimulus occurs, the acute stress response, also known as *Fight or Flight*, is triggered.

The fight or flight response is controlled by a part of the nervous system called the autonomic nervous system which regulates the unconscious processes that your body performs like digestion, heart rate, breathing rate, urination, as well as others.^[1]



When the fight or flight response is triggered:^{[2][3]}



Heart rate increases



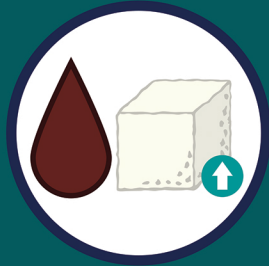
Breathing rate increases



Less blood flows to the face, hands, and feet



Digestion is slowed



Blood sugar levels increase



More blood flows to the brain, arms and legs



Tear and saliva production is stopped



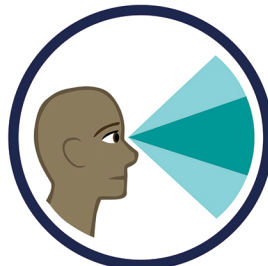
Bladder muscles relax (feels like you have to pee)



Pain tolerance increases



Pupils dilate



Vision narrows



Immune system functions decrease

Prepare for Intense Movement

Heightened Awareness and Senses

Conservation of Energy

Fight or Flight

These changes occur to prepare your body for running away from the threat (flight) or defending itself (fight).



Flight



Fight

In addition to fight and flight, there is also freeze! When some prey animals encounter a stressful stimulus, instead of preparing to fight or run away, they decide to stay absolutely still and freeze. Scientists think this happens because the animal's brain has determined that fighting or running away won't work. Instead, they may hold still or even play dead in hopes that the stressful stimulus will pass.^[4]



Freeze