

## Regulation of body temperature

Stimulus = High body Temp

Sensors = thermoreceptors



Integrating center = hypothalamus



Effectors (muscle or gland cells) =

sweat glands

What do these cells do?

secrete sweat



End Effect = ↓  
(What happens to body temp?)

Stimulus = Low Body Temp

Sensors = thermoreceptors



Integrating center = hypothalamus



Effectors (muscle or gland cells) =

skeletal muscle

What do these cells do?

contract



End Effect = ↑  
(What happens to body temp?)