

## Regulation of blood osmolarity

### Stimulus = High Blood Osmolarity

Sensor/integrating center =  
hypothalamus

Secretes ADH



Organ(s) targeted by this is:

Kidneys

which causes:



water reabsorption



urine output



blood volume & pressure



blood osmolarity

### Stimulus = Low Blood Osmolarity

Sensor/integrating center =  
hypothalamus

Inhibits ADH

which causes:



water reabsorption



urine output



blood volume & pressure



blood osmolarity