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