Regulation of blood pressure

Stimulus = BP is too low:

Sensor = aortic arch & carotid artery baroreceptors

Integrating center = ___medulla_____,

which stimulates a sympathetic response.

Heart response is:

increase heart rate

Systemic arteriole response is:

vascoconstrict

both of which increase blood pressure

Sensor = juxtaglomerular apparatus of kidneys

JGA secretes Renin

The organ that responds to this is: Liver

Angiotensinogen converted to angiotensin 1

The organ that responds to this is: Lungs (have ACE)

Angiotensin 1 converted to angiotensin 2

The organ that responds to this is: Adrenal gland

Which secretes Aldosterone

Arteries respond to that hormone by Vasoconstriction

These organs also responds to that hormone: Kindeys

increase salt reabsorption
increase water reabsorption
decrease urine output
increase blood volume
increase blood pressure