## Respiratory Regulation of blood pH

What happens to minute ventilation in

response?

What will hypoventilation do to blood CO2?
What will that do to blood pH?  (espiratory a ciessis
What will hyperventilation do to blood CO2?
What will that do to blood pH?  respiratory alkalosis
Stimulus = respiratory acidosis
What sensors detect the change in blood  pH? <u>Chemoreceptors in aurtic arch</u> & carutid arteries (blood pt  and in medulla (for CSF pH)  what is the integrating center that  responds? <u>medulla (respiratory center)</u>
What happens to minute ventilation in response?
Stimulus = respiratory alkalosis
(same sensors and integrating center)