Respiratory Regulation of blood pH

What will hypoventilation do to blood CO2? ____________
What will that do to blood pH? ____________ respiratory acidosis
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? ________
chemoreceptors in aortic arch & carotid arteries (for blood pH) and in medulla (for CSF pH)
what is the integrating center that responds? ________
medulla (respiratory center)
What happens to minute ventilation in response? ____________

Stimulus = respiratory alkalosis

(same sensors and integrating center)
What happens to minute ventilation in response? ____________