The Respiratory System: Control of Respiration

10.

1.	Where in the medulla are the neurons that set the basic respiratory rhythm?
2.	What modifies this medullary center?
	a.
	b.
3.	What is the most important stimulus controlling ventilation?
4.	What ion directly stimulates the central chemoreceptors?
5.	Arterial Po ₂ must drop below what to stimulate the peripheral
	chemoreceptors?
6.	If a person hyperventilates what will happen to the following in the blood?
	a. Pco ₂
	b. pH
7.	If a person hypoventilates what will happen to the following in the blood?
	a. Po ₂
	b. Pco ₂
8.	a. What does lung hyperinflation stimulate?
	b. The effect on inspiration is
	c. What is this reflex called?
9.	Dust, smoke, and noxious fumes will stimulate receptors in airways.
	a. Name the receptors
	b. Explain the protective reflexes.

Name four of the six factors that probably increase ventilation during exercise.

a.

b.

c.

d.