Fluid, Electrolyte and Acid-Base Balance: Acid-Base Homeostasis

1.	Where are acids located on the pH scale?
2.	Where are bases located on the pH scale?
3.	What is the normal pH range for arterial blood?
	a. What is the pH in alkalosis?
	b. What is the pH in acidosis?
4.	How is a strong acid different from a weak acid?
5.	What does it mean for a substance to be <i>neutral</i> on the pH scale?
6.	Name the three ways the body maintains a normal pH range:
	a.
	b.
	c.
7.	List the three important buffer systems in the body:
	a.
	b.
	c.
8.	Write the equation showing the relationship of CO_2 and H_2O levels with bicarbonate and hydrogen ion levels:
	$CO_2 + H_2O \leftrightarrow \underline{\hspace{1cm}} \leftrightarrow \underline{\hspace{1cm}}$
9.	A decrease in respiration will result in CO ₂ and will shift the equation
	to the, resulting in an increase in ions, making the plasma
	more
10	. When body pH is decreased, what are two compensatory renal mechanisms to restore pH?
	a.
	b.