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

1.	On average, how many liters of water does the human body contain?
2.	List two methods of water intake:
	a.
	b.
3.	List three methods of water output:
	a.
	b.
	c.
4.	What is the major way our bodies regular water loss?
5.	What are the three processes occuring in the kidneys?
	a.
	b.
	c.
6. What are the four primary mechanisms to regulate fluid homeostasis?	
	a.
	b.
	c.
	d.
7. Answer the following questions on antidiuretic hormone (ADH):	
	a. What is the major stimulus?
	b. What is the direct effect of the hormone?
	c. What portion of the kidney's nephrons are targeted by ADH?
	d. What effect will this have on urine volume?

8.	List three ways dehydration leads to increased thirst:
	a.
	b.
	c.
9.	Answer the following questions on the Renin-Angiotensin-Aldosterone System.
	a. What enzyme is released from the kidney in response to decreased
	blood pressure?
	b. What enzyme converts angiotensin I to angiotensin II?
	c. What are two effects of angiotensin II?
	1.
	2.
	d. Which ion does aldosterone cause to be reabsorbed in the proximal convoluted tubules of the kidneys?
	e. As a result, what happens to blood volume and blood pressure?