

Adrenal Glands

Read Chapter 17.5

Fill in the blanks

1. The adrenal glands are located on top of the _____
2. The adrenal _____ is the outer portion of the adrenal gland and the adrenal _____ is the inner portion.
3. The adrenal gland produces hormones that are all generally involved in the _____ response.
4. _____ is the primary hormone secreted from the adrenal medulla.
5. The adrenal medulla is controlled by the _____.
6. The adrenal cortex is controlled primarily by the anterior pituitary hormone _____.
7. The adrenal cortex hormones are all categorized as _____ hormones because they are derived from cholesterol.
8. Write the correct hormone for each of the following descriptions, you may use the same hormone more than once:
 - a. The main mineralocorticoid _____
 - b. Increases blood pressure by causing vasoconstriction _____
 - c. Increases blood pressure by stimulating the kidneys to reabsorb sodium _____
 - d. The primary adrenal cortex androgen _____
 - e. A major stress hormone that is involved in increasing blood sugar and blood pressure _____
 - f. Normally secreted in a 24-hour pattern where secretion is increased in the morning _____
 - g. A hormone that is produced during exercise and plays an important role in growth of muscle tissue and sex drive _____
 - h. Excess amounts of this hormone can cause Cushing syndrome _____
 - i. This hormone causes the body to redistribute fat from the limbs to the abdominal region "belly fat" _____

- j. Excess amounts of this hormone could cause masculinization in women, such as growth of facial hair _____
 - k. Excess amounts of this hormone can cause high blood pressure, depression, muscle weakness, and poor wound healing _____
 - l. This hormone suppresses the immune response _____
 - m. A lack of this hormone could cause an adrenal crisis _____
 - n. A lack of this hormone would cause a drop in blood pressure and possibly fainting and cravings for salty food _____
9. Biff has hypoglycemia, hypotension, and is very nauseous and weak. Is he more likely to have Cushing's syndrome or Addison's disease? _____
10. Margret has developed the following side effects from her medication: a moon face, depression, high blood sugar, and has gained a lot of belly fat. What type of drug might she be taking?
