THE HUMAN ENDOCRINE SYSTEM

Label the following parts on the diagram of the human endocrine system.

a. pineal
b. hypothalamus
c. pituitary
d. thyroid
e. parathyroids
f. thymus
g. adrenal
h. pancreas
i. ovary (female)
j. testis (male)

Fill in the blanks with the correct answers.

1. **Pineal** gland may control biorhythms in some animals and control the onset of puberty in humans.

2. **Thyroid** gland stimulates metabolic rate and is essential to normal growth and development.

3. **Pituitary** gland stimulates growth and stimulates secretion of hormones from other glands.

4. **Ovaries** in females stimulates development of secondary sex characteristics, stimulates growth of sex organs at puberty, and prompts monthly preparation of uterus for pregnancy.

5. **Hypothalamus** is the major area where the nervous and endocrine systems interact.

6. **Pancreas** controls blood glucose levels and determines the rate of glycogen.

7. **Adrenal** gland initiates stress responses, increases heart rate, blood pressure, and metabolic rate, dilates blood vessels, mobilizes fat and raises blood sugar levels.

8. **Thymus** gland promotes production and maturation of white blood cells.

9. **Testis** in males stimulates development of secondary sex characteristics, stimulates growth spurt at puberty, stimulates spermatogenesis.

10. **Parathyroid** gland increases blood calcium level, stimulates calcium reabsorption and activates vitamin D.