

16.1 The Endocrine System

Date _____
 Last Name _____ First _____ period _____

Answer the questions as you listen and watch the presentation.

1. What is the **role of the endocrine system**?

- The endocrine system _____ the body's daily and _____ term functions with the use of _____ and _____.
- The endocrine system is a network of _____ and _____.
- The endocrine glands release chemicals called _____.

2. **Hormones**

- What are hormones? _____
- What releases hormones? _____
- How do hormones get to where they are needed? _____

3. List **4 effects hormones** can have on the activities of cells, tissues, and organs.

- _____ activities of cells, tissues, and organs.
- _____ activities of cells, tissues, and organs.
- _____ activities of cells, tissues, and organs.
- _____ activities of cells, tissues, and organs.

4. **Hormone Levels**

- Describe how hormone levels can change. _____
- What causes the release of hormones? _____

5. The cells that a **hormone acts specifically** with are called _____.

- True or False? Any endocrine gland can release any kind of hormone. _____
- What is a target for female sex hormones?

6. **Name the endocrine gland** that control the following functions.

- _____ controls sleep, hunger, and other endocrine glands.
- _____ regulates growth, blood pressure, and water balance and other glands.
- _____ controls metabolic rate by controlling the release of food energy.
- _____ regulates calcium levels.
- _____ helps the immune system fight off infection.
- _____ releases the flight /flight emergency hormone (adrenaline)
- _____ controls sugar levels.
- _____ releases estrogen and progesterone to control changes in females and to trigger egg production.

