

**Section 18-1** ***Note Taking Guide***

***The Endocrine System*** (pp. 460–463)

**What Is the Endocrine System?**

1. What is a hormone?

\_\_\_\_\_

\_\_\_\_\_

**Functions of Endocrine Glands**

2. Complete the table about the functions of endocrine glands.

Gland	Function
Hypothalamus	a. <i>links the nervous system and the endocrine system</i> _____
Pituitary	b. _____
Thyroid	c. _____
Parathyroid	d. _____
Thymus	e. _____
Adrenal	f. _____

**Section 18-2** *Note Taking Guide*

***The Male Reproductive System*** (pp. 464–468)

**Structure and Function**

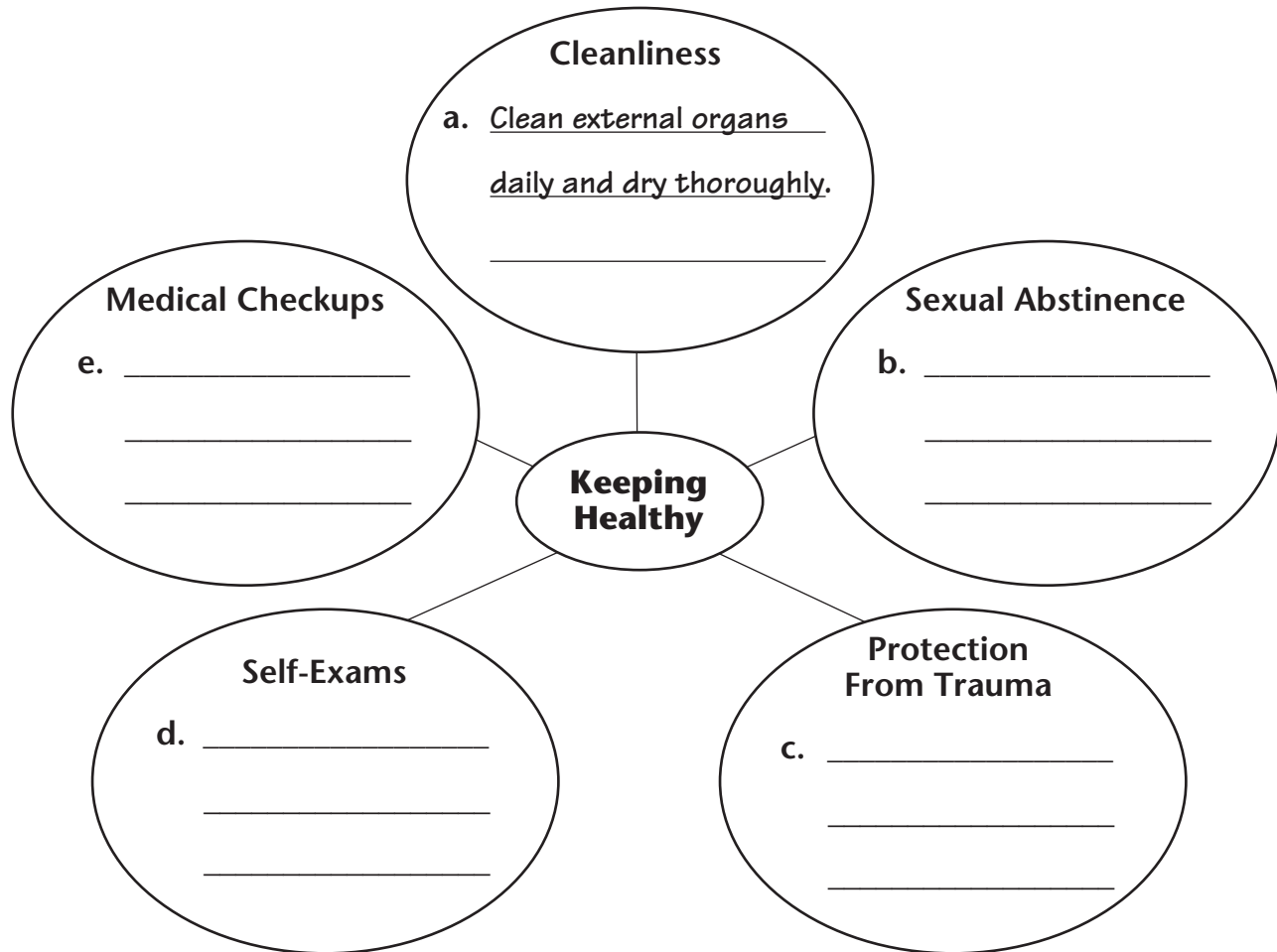
1. Complete the table with details about the structures of the male reproductive system.

Structure	Description and Function
Testes	a. <u>oval-shaped male reproductive glands; hang outside the main body cavity in the scrotum; produce testosterone and sperm</u>
Penis	b. _____ _____ _____
Epididymis	c. _____ _____ _____
Vas deferens	d. _____ _____
Accessory glands • seminal vesicles • prostate • bulbo-urethral gland	e. _____ _____ _____ _____

## Section 18-2: Note Taking Guide *(continued)*

### Keeping Healthy

2. Complete the concept map with details about keeping the male reproductive system healthy.



**Section 18-3**

# **Note Taking Guide**

## **The Female Reproductive System** (pp. 469–475)

### **Structure and Function**

1. Complete the outline with details about the female reproductive system.

**I. Structure and Function**

**A. Ovaries**

1. produce the sex hormones estrogen and progesterone

2. \_\_\_\_\_

**B. Fallopian tubes**

1. \_\_\_\_\_

2. \_\_\_\_\_

**C. Uterus**

1. \_\_\_\_\_

2. \_\_\_\_\_

**D. Vagina**

1. \_\_\_\_\_

2. \_\_\_\_\_

### **The Menstrual Cycle**

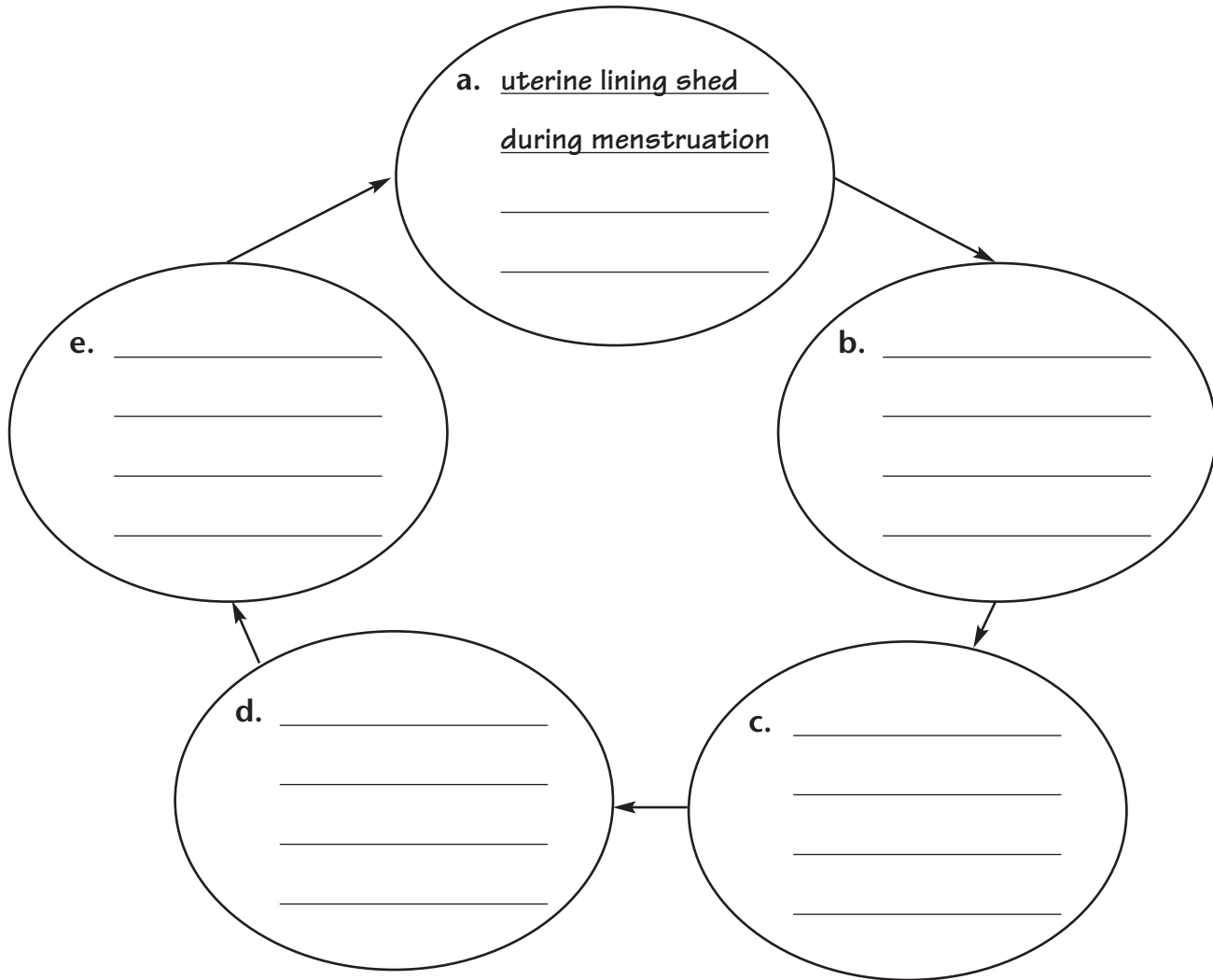
2. List four factors that may affect a woman's menstrual cycle.

a. \_\_\_\_\_ c. \_\_\_\_\_

b. \_\_\_\_\_ d. \_\_\_\_\_

**Section 18-3: Note Taking Guide** *(continued)*

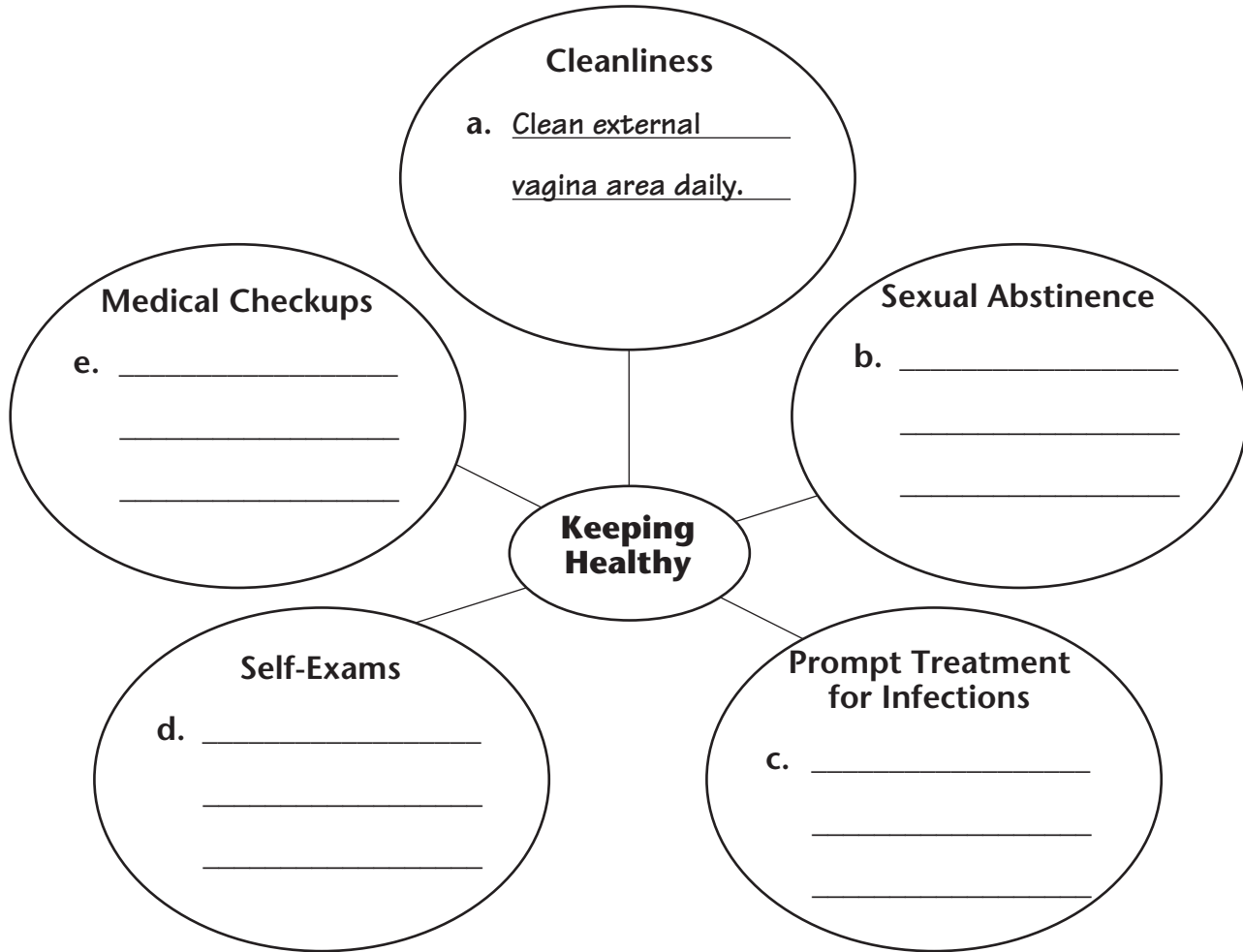
3. Define the term *menopause*. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. Complete the graphic organizer about the stages of the menstrual cycle.



**Section 18-3: Note Taking Guide** *(continued)*

**Keeping Healthy**

5. Complete the concept map with details about keeping the female reproductive system healthy.



6. Complete the table with details about medical tests that can help protect the health of females.

Test	Description and Purpose
Pap smear	a. _____ b. _____
Mammogram	c. _____ d. _____

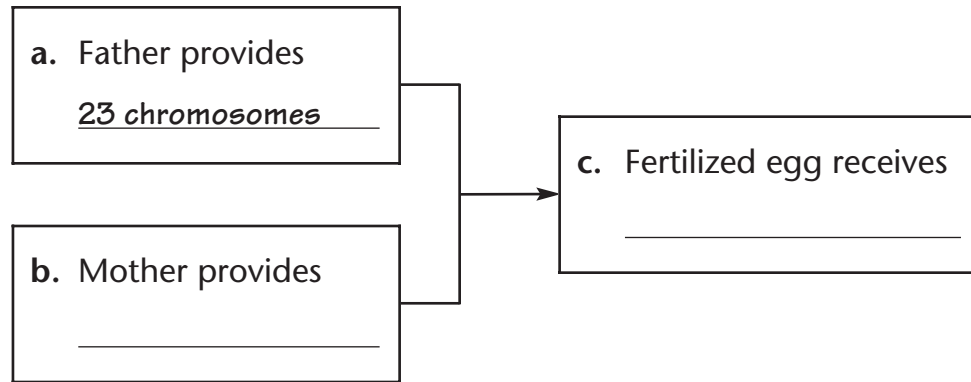
Section 18-4

# Note Taking Guide

## ***Heredity*** (pp. 478–482)

### **The Basic Rules of Heredity**

1. Complete the graphic organizer about heredity.



2. What is a gene?

\_\_\_\_\_ a. a cell made up of several chromosomes that determine or affect a trait

\_\_\_\_\_ b. a section of a chromosome that determines or affects a trait

3. How do dominant and recessive traits differ?

\_\_\_\_\_ a. A recessive trait appears in an offspring if only one dominant form of the gene is present.

\_\_\_\_\_ b. A recessive trait appears in an offspring only when the dominant form of the gene is *not* present.

**Section 18-4: Note Taking Guide** *(continued)*

**Heredity and Disease**

4. Complete the table with details about the effect of each genetic disorder on the body.

Disorder	Type of Disorder	Effect on the Body
Sickle cell disease	recessive disorder	a. <u>red cells have abnormal shape,</u> <u>blocking small vessels</u>
Cystic fibrosis	recessive disorder	b. _____ _____
Hemophilia	recessive disorder; affects mostly males	c. _____ _____
Huntington's disease	dominant disorder	d. _____ _____
Down syndrome	chromosome disorder	e. _____ _____

5. Complete the table by listing risk factors for skin cancer.

Risk Factors You Cannot Control	Risk Factors You Can Control
a. <u>fair complexion</u>	d. <u>excessive exposure to the sun</u>
b. _____	e. _____
c. _____	f. _____