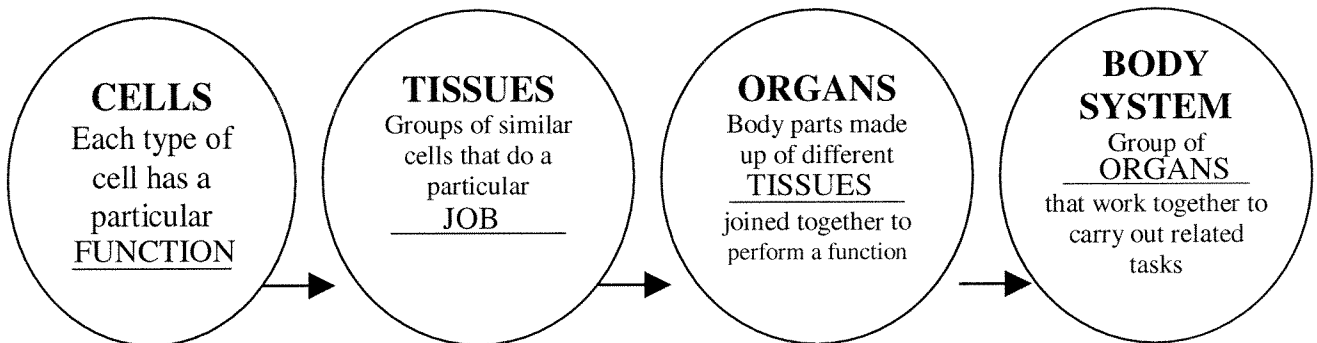


GROWTH AND DEVELOPMENT: Human Development**VOCABULARY**

Cell	The basic unit of life (p. 168)
Tissue	A group of similar cells that do a particular job. (p. 168)
Body System	A group of organs that work together to carry out related tasks. (p. 168)
Embryo	The developing organism from fertilization to the 8 th week of development (p. 169)
Fetus	The developing organism from the end of the 8 th week until birth (p. 169)
Chromosomes	Threadlike structures that carry the codes for inherited traits (p. 170)
Genes	The basic units of heredity (p. 170)

I. BUILDING BODY SYSTEMS

Give an example of two tissues that joined together to help the stomach organ function:

1. MUSCLE TISSUE 2. MUCUOUS MEMBRANES

Give two examples Body Systems:

1. DIGESTIVE SYSTEM 2. ENDOCRINE SYSTEM

II. DEVELOPMENT AFTER FERTILIZATION

- The human body begins as a single fertilized cell , the result of the union of a SPERM and an EGG.
- As the cell divides into 2, 4, 8, 16 etc. . . it is referred to as an EMBRYO until the EIGHTH (8TH) week when it is referred to as a FETUS.
- How long does a pregnancy generally last? NINE MONTHS
- The developing fetus receives NUTRIENTS and OXYGEN through the UMBILICAL CORD.

III. CARE DURING PREGNANCY

An expectant mother needs to create a healthy environment for the fetus.

List 3 "Do's and Don'ts" a mother should follow:

- | DO' | DON'T |
|----------------------------------|--------------------------------------|
| 1. <u>EAT HEALTHY FOODS</u> | 1. <u>SMOKE OR USE TOBACCO</u> |
| 2. <u>HAVE REGULAR CHECK UPS</u> | 2. <u>DRINK ALCOHOL</u> |
| 3. <u>BEWARE OF INFECTIONS</u> | 3. <u>TAKE ANY UNECESSARRY DRUGS</u> |

IV. HEREDITY

1. Heredity is traits that are INHERITED.
2. Almost all human cells contain 46 chromosomes.
3. Each sperm and egg cell has 23 chromosomes.
 - a. The SPERM cell determines if the baby will be a boy or girl.
 - b. An "XX" combination will produce a FEMALE child.
 - c. An "XY" combination will produce a MALE child.

GROWTH AND DEVELOPMENT: Making the most of your teen years

I. Moving toward the FUTURE

- You will grow and develop in many new ways during your teen years. (p 177) In the coming years you will . . .

1. LEARN TO ACCEPT YOUR BODY AND ITS CHARACTERISTICS.
2. DEVELOP SELF CONFIDENCE AND DISCOVER WHAT MAKES YOU UNIQUE
3. BECOME MORE INDEPENDENT IN YOUR THOUGHTS AND FEELINGS
4. LEARN TO SOLVE PROBLEMS AND MAKE DECISIONS IN A MATURE WAY
5. ESTABLISH MORE MATURE RELATIONSHIPS
6. DEVELOP GREATER INTEREST AND AWARENESS OF YOUR COMMUNITY AND THE WORLD
7. LEARN TO ACCEPT RESPONSIBILITY FOR YOUR ACTIONS
8. PLAN FOR YOUR FUTURE BEYOND HIGH SCHOOL