

BIOLOGY S1

QUESTION S1

UNIT 1:

1. List the seven characteristics of living things
2. Write down three branches of biology
3. Give definition for each of the following terms:
 - a, respiration
 - b, sensitivity

UNIT 2:

1. Name the five kingdoms of organism
2. Identify the kingdoms to which each of these organisms belongs:
 - a, It has a cell wall and chloroplasts
 - B, It is single cell
 - C, It reproduces by means of spores
3. In the name panthera leo, which is the species and which is the genus name?

UNIT 3 :

1. Define each of these words:
 - a. nodes
 - b. stamen
 - c. lamina
 - d. modified
 - e. petiole
 - f. midrib
2. Draw a diagram to show the difference between a tap root system and a fibrous root system
3. Give two examples of plants that have modified:
 - a. roots

b.stems

c. leaves

UNIT 4:

1. Copy figure 4.7 to practice biological drawing

2. A learner looks through a microscopy using a 10x eyepiece lens and a 40x nosepiece lens. What is the total magnification that he or she is using?

3. A learner draws a leaf 20 cm long. What is the magnification of drawing?

UNIT 5:

1. What is the difference between a unicellular organism and a multicellular organism?

2. Give the function of the following organelles:

A, nucleus b, mitochondrion c, chloroplast

3. What is the difference between a plant cell and animal cell in their:

A, shape b, size of vacuoles c, outer cover

UNIT 6:

1. Arrange the following structures in the correct order, starting with the smallest:

Organ cell tissue organ system organ

2. Give a definition for each of the following terms:

A, specialization

B, permeable

C, zygote

D, motile

3. Give three advantages of specialization of cells

UNIT 7:

1. Name six groups of food nutrients

2. Name the building blocks of:

A, proteins

B, carbohydrates

3. List any three functions of:

A, vitamin b, lipids

UNIT 8:

1. Define each of the following terms:

A, gas exchange b, respiration c, breathing

2. Name two places where gas exchange takes place in humans

3. Write down the structures that air travels through until it reaches the alveoli in the lungs

UNIT 9:

1. Give the meaning of each of the following terms:

A, tropism b, stimulus

2. a, Name two types of tropism b, For each type, write down the stimulus and response in the stems and roots

3. Explain why roots grow downwards

UNIT 10:

1. Name three bones in the human skeleton found in the:

A, upper limbs b, lower limbs

2. Name three different types of skeletons, and give an example of an animal that has each type

3. Give three functions of the skeleton

UNIT 11:

1. Name two infectious and two non-infectious diseases

2. Mention three ways to prevent the spread of diseases

3. List any three practices that promote good health

UNIT 12:

1. Give the function of each of these parts of the male reproductive system

A, testes b, penis c, prostate gland

2. Give the function of each of these parts of the female reproductive system:

A, uterus b, oviduct c, ovaries

3.a, Name:

I, one male hormone

II, two female hormones

B, Give the function of each hormone mentioned in question(a)

UNIT 13:

1. On which days in the menstrual cycle do the following occur?

A, ovulation b, menstruation c, the time when falling pregnant after

Unprotected sex is most likely

2, Make a list of changes that occur during puberty in:

A, boys b, girls

3. Name three hormones that are involved in reproduction in males and females

UNIT 14:

1. Make a neat, labeled drawing to show the fusion of a sperm and an ovum

2. Give any three functions of the placenta.