

BIOLOGY FORM TWO NECTA 2009

Solutions from: [Maktaba by TETEA](https://maktaba.tetea.org)

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1.

i	ii	iii	iv	v	vi	vii	viii	ix	x
E	B	B	E	A	B	B	E	A	B

2

i	ii	iii	iv	v	vi	vii	viii	ix	x
False	True	True	False	True	False	False	True	False	True

3.

i	ii	iii	iv	v	vi	vii	viii	ix	x
G	C	L	E	A	Q	T	N	O	I

6(ii) Food web.

(iii) producer and decomposer

(iv) producers are the main source of foods and decomposers decompose the dead matters.

7(a) The lymphatic system is a network of tissues and organs that help rid the body of toxins, waste and other unwanted materials.

(b) The primary function of the lymphatic system is to transport lymph, a fluid containing infection-fighting white blood cells, throughout the body.

(c) advantages of blood transfusion.


-Red blood cells carry oxygen through your body to your heart and brain. Adequate oxygen is very important to maintain life.

-Platelets help to prevent or control bleeding due to low platelet count.

-Plasma and cryoprecipitate also help to prevent or control bleeding

Disadvantage s of blood transfusion.

Blood Transfusions



- Advantage:
 - Rapidly corrects severe anemia
- Disadvantages:
 - Short-lasting effect
 - Transfusion risks & reactions
 - Time to receive unit/s of blood
 - Time spent by healthcare providers (nurses, pharmacists, physicians, other staff) in carrying out the procedure, and time spent by the patient
 - Associated cost of the procedure

All About Anemia, Fatigue and Cancer: p.18

8(a)(i) Gaseous exchange is the process by which air moves from environment into the body and back again, continuously.

(ii) because in the nose the air is moistured an also some dust particles are Trapped by the mucos.

(b)factors affecting rate of breathing

-physical exercises.

-rate of Respiration.

(c)

<u>AEROBIC RESPIRATION</u>	<u>ANAEROBIC RESPIRATION</u>
Respiration takes place in the presence of oxygen.	Respiration takes place in the absence of oxygen.
It occurs in the cytoplasm and mitochondria.	It occurs only in the cytoplasm.
Usually, glucose is broken down into carbon dioxide and water.	Glucose is broken down into ethanol (ethyl alcohol).
Aerobic respiration occurs in mammals, including humans.	Anaerobic respration occurs in yeast, some types of bacteria and also in some plants.

9(a)WASTE is the unwanted materials for use.

Waste disposal is the process of getting rid of waste materials.

-Types of waste materials

-solid wastes.eg wood,plastics, papers,etc

-liquid wastes.eg urine,water from industries,used oil,etc.

-gaseous wastes. Like gasea from industries.

PROPER WAYS OF DISPOSING WASTES

-by landfills

-by pit latrine

-locating special areas for disposing the waste materials.

IMPORTANCES OF PROPER WASTE DISPOSAL.

-makes the environment beautiful.

-prevent eruption of diseases

-prevent the climatic changes.

-helps to protect environment.

-supports recycling of waste materials as they will be available at a special area.

10.

-Health is the state of being physically, mentally and socially well-being.

-infection is the invasion of an organism's body tissues by disease-causing agents, their multiplication, and the reaction of host tissues to the infectious agents and the toxins they produce.

-Personal hygiene is how you care for your body. This practice includes bathing, washing your hands, brushing your teeth, and more.

Factors for good health.

-good diety

-physical exercises

-avoid stresses

-sharing ideas with others

-avoid bad peer groups

-drinking plenty water