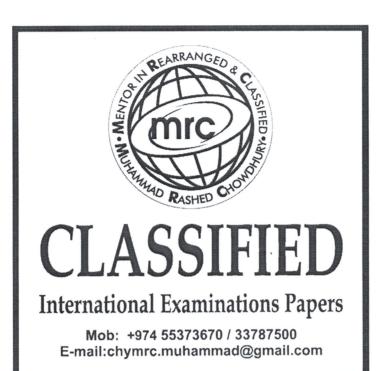
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BIOLOGY-0610/31, 32, 33 TOPIC-Classification - Characteristics

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<u>******************</u>

1 The boxes on the left contain the names of characteristics of living organisms. The boxes on the right contain the definitions of these characteristics.

Draw one straight line to link the characteristic with its correct definition.

An example has been done for you.

characteristic definition chemical reactions in cells that sensitivity break down nutrient molecules and release energy the ability to detect and respond respiration to changes in the environment taking in of materials for energy, nutrition growth and development an action by an organism excretion causing a change of position or Mob: +974 55373670 / place E-mail:rashed.saba@g removal from organisms of toxic movement materials and substances in excess of requirements reproduction a permanent increase in size the processes that make more growth of the same kind of organism

[5]

7 The boxes on the left contain the names of biological terms.
The boxes on the right contain the definitions of these biological terms.
Draw one straight line from each biological term to the box containing the correct definition.

An example has been done for you.

definition biological term transmission of genetic information from assimilation generation to generation groups of receptor cells responding to specific inheritance stimuli the movement of digested food molecules into the cells of the body where they are used, becoming sense organ part of the cell a group of cells with similar structures working tissue together to perform a shared function (RASHED Mob +974 55373670 / 55258711 E-milianianimalithat gets its energy by eating plants active transport herbivore a protein that functions as a biological catalyst movement of particles through a cell membrane from a region of lower concentration to a region of enzyme higher concentration using energy from respiration

[Total: 5]

[5]

1 The seven characteristics of living organisms are excretion, growth, movement, nutrition, reproduction, respiration and sensitivity.

Complete Table 1.1 below by writing the characteristic opposite its definition.

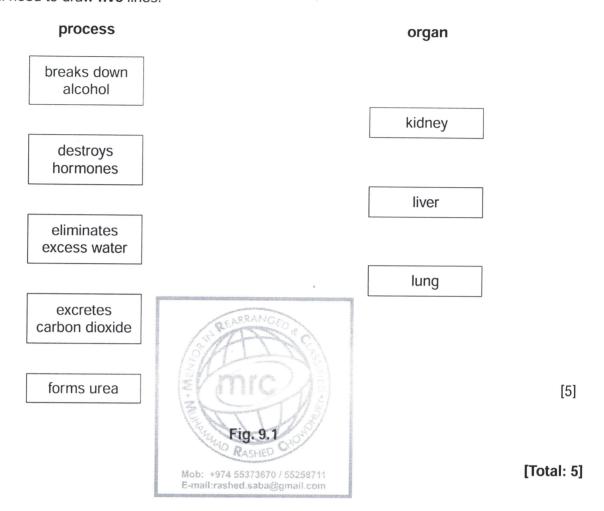
Table 1.1

definition	characteristic
a set of chemical reactions that breaks down nutrients to release energy in living cells	
the ability to detect stimuli and make appropriate responses	
an act causing a change of position or place	1
removal from an organism of toxic materials, the waste products of metabolism or substances in excess of requirements	

[4]

[Total: 4]

Mob: +974 55373670 / 55258711 E-mail:rashed.saba@gmail.com 9 Fig. 9.1 shows processes that are carried out by organs in the human body.
Draw one line from each process to the organ where the process takes place.
You will need to draw five lines.



1

Hes	spiration is a characteristic of	of living organisms.	
(a)	State three other characte	ristics of living organisms.	
	1		
	2		
	3		[3]
(b)	A remote control deep-sea		e seabed at a depth of 8000 m.
	Suggest an investigation microorganisms are prese	you might carry out which wonth	ould indicate whether respiring
		SEARNANGE S	
			[4]
		RASHED CHONNE	[Total : 7]
		Mob: +974 55373670 / 55258711	

Non-living things, such as a truck, have features that seem to be similar to those of living organisms.

Examiner's Use

Choose words from the list of characteristics of living things and match them to the statements about a truck.

excretion	gro	wth	movement	
nutrit	ion	respiration	sensitivity	
A truck needs to	have a supply of diesel			
	in animals. When	n this fuel is burnt exha	ust fumes are removed,	
like the process of	of	in animals. Energ	gy is released when this	
fuel is burnt. This	matches the process of	f	in both animals	
and plants. Th	is energy is used to turr	the wheels of the trucl	k, like the process of	
	in animals			

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[4]

[Total: 4]

Answer all the questions.

1 (a) Three characteristics of living organisms and four possible descriptions are shown below.

Draw a straight line to match each characteristic to its description.

characteristic		description
		pumping air in and out of the lungs
respiration		
	_	producing new individuals of the same species
nutrition	A CARRANGE	1550 <u>0</u>
		obtaining organic chemicals for the repair of tissues
reproduction	TO RASHED GOLD	-
	Mob: +974 55373670 / 55258711 E-mail:rashed.saba@gmail.com	the release of energy from sugars

(b) St	ate two	other	characteristics	of living	organisms.
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1	
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[Total: 5]

[3]