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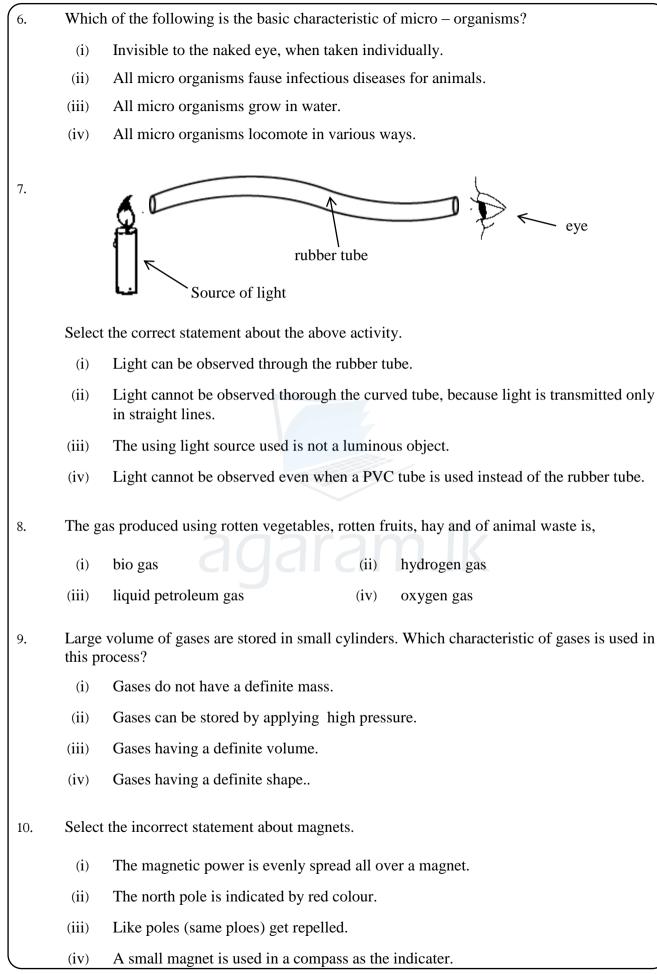
			<b>Royal College - Colombo 07</b> රාජකීය විදාහලය - කොළඹ 07						
		Grade 6 -	Grade 6 – Second Term Test – July 2019						
		දෙවන වාර	පරීකෂණා	3 - 2019	ජුලි - 6	ශේණිය			
	Science								
			වි	දාහාව					
Na	ame :		Gra	ade :		Index nur	nber:		
				Part I					
*	Underline the	e most suitable ar	iswer.						
1.	The substa	nce which attracts	s towards a n	nagnet is,					
	(i) carbo	on (ii)	brass	(iii)	lead	(iv)	steel		
2.	Which of t	he following is no	ot considered	l as a bio-n	nass?				
	(i) Rotte	en vegetables and	fruits	(ii)	Dried co	ow dung			
	(iii) Fire	- wood		(iv)	Tar				
3.	Select the	answer which cor	ntains, renew	vable (can	be used a	gain and aga	in) energy sources		
	only.					6	,		
		nd, flowing water,							
		n, wind, fossil fue		ar					
(iii) wind, geothermal energy, fossil fuels.									
(iv) Petroleum oil, biomass, coal $\leftarrow$									
4.	Ν	S							
	Y		Z						
	Given abo	ve are two bar ma	gnets.						
When moving the unmarked magnet 'Z' towards 'Y', they were repelled. The pole of 'Z							he pole of 'Z'		
		ved towards 'Y' ma	ay be,						
		uth pole		(ii)	North po				
	(iii) unl	ike poles		(iv)	cannot b	be identified p	properly.		
5.	Which of t	the following is no	ot a correct e	xample for	r sustainal	ole use of ene	rgy sources?		
	(i) Sw	itching off the uni	necessary bu	lbs.					
	(ii) Us	ing energy sources	s that can be	used agair	n and agai	n.			
	-	ening the refrigera	-	uently.					
	(iv) Us	ing solar thermal of	cookers.						

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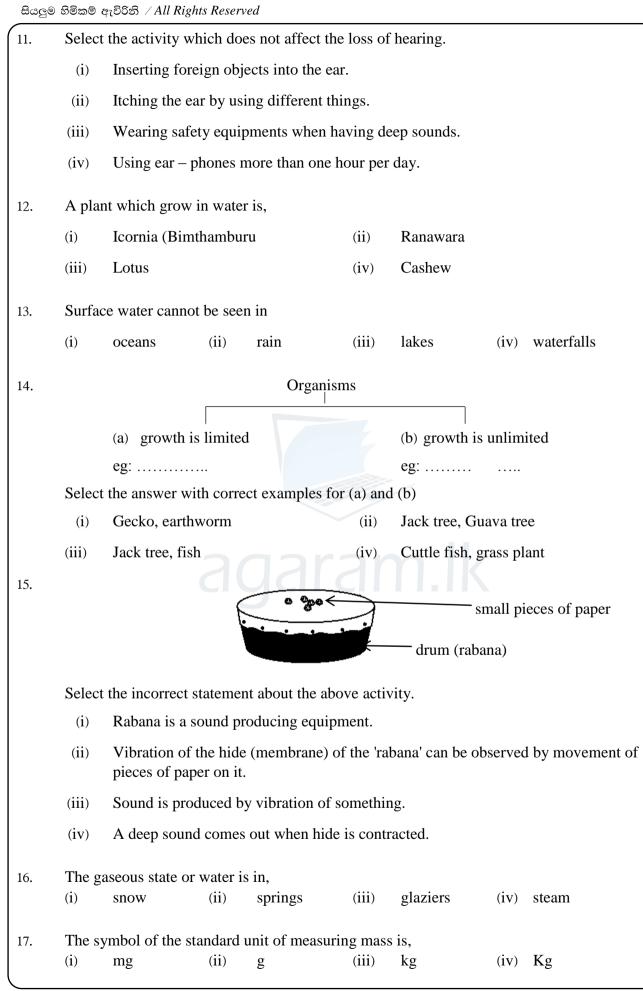


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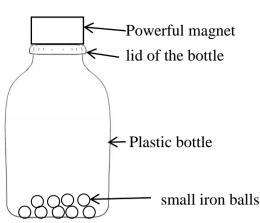
18.	Select	Select the answer which includes materials that show the property of elasticity.						
	(i)	rubber and elastic	(ii)	rubber and plastic				
	(iii)	clay and iron	(iv)	rubber and glass				
19.	Which (i)	h of the following is a source of energ flowing water	gy, (ii)	magnets				
	(iii)	kinetic energy	(iv)	sound				
20.	<ul><li>Select the incorrect statement.</li><li>(i) The amount of salt that is dissolved in water is known as salinity.</li></ul>							
	(ii)	Mass of water is high with salinity.						
	(iii)	Water is categorized as fresh water, marine water and brackish water based on salinity.						
	(iv)	The amount of salt dissolved in fresh water is very high.						
		J	Part II					
* A	Answer f	the first question and four other qu	estions					
·•· Г		the mist question and four other que	csuons					
·◆ <i>Γ</i> .		the first question and four other que	estions					
1.	A gro	oup of grade 6 students prepared a list al box stove.		s, which are needed to make a solar				
	A gro	oup of grade 6 students prepared a list	of thing					
	A gro therm	oup of grade 6 students prepared a list al box stove. Name 3 things that should be in the	of thing prepare	ed list.				
	A gro therm (i)	oup of grade 6 students prepared a list al box stove. Name 3 things that should be in the	of thing prepare red by th	ed list. The above students to show the function of				
	A gro therm (i)	oup of grade 6 students prepared a list al box stove. Name 3 things that should be in the The following apparatus was prepar	of thing prepare red by th	ed list. The above students to show the function of				
	A gro therm (i)	bup of grade 6 students prepared a list tal box stove. Name 3 things that should be in the The following apparatus was prepar a solar thermal stove, But teacher to Complete the diagram.	of thing prepare red by th	ed list. The above students to show the function of				
	A gro therm (i)	oup of grade 6 students prepared a list tal box stove. Name 3 things that should be in the The following apparatus was prepar a solar thermal stove, But teacher to Complete the diagram. G Solar thermal	of thing prepare red by th old them lass	ed list. The above students to show the function of that it was incomplete.				
	A gro therm (i) (ii)	oup of grade 6 students prepared a list hal box stove. Name 3 things that should be in the The following apparatus was prepar a solar thermal stove, But teacher to Complete the diagram. G Solar thermal box stove	of thing prepare red by th old them lass	ed list. The above students to show the function of a that it was incomplete. Thermo meter beaker water ting the mistakes of the stove.				
	A gro therm (i) (ii)	oup of grade 6 students prepared a list hal box stove. Name 3 things that should be in the The following apparatus was prepar a solar thermal stove, But teacher to Complete the diagram. G Solar thermal box stove What will be the observation, after of	of thing prepare red by th old them lass complet rbed by	ed list. The above students to show the function of a that it was incomplete. Thermo meter beaker water ting the mistakes of the stove. the above stove.				
	A gro therm (i) (ii) (ii) (iv)	oup of grade 6 students prepared a list hal box stove. Name 3 things that should be in the The following apparatus was prepare a solar thermal stove, But teacher to Complete the diagram. Solar thermal box stove What will be the observation, after of Which form of solar energy is absor- Write down the energy transformation	of thing prepare red by th old them lass complet rbed by ion of a	ed list. The above students to show the function of a that it was incomplete. Thermo meter beaker water ting the mistakes of the stove. the above stove.				
	A gro therm (i) (ii) (ii) (iv) (v) (v)	oup of grade 6 students prepared a list hal box stove. Name 3 things that should be in the The following apparatus was prepare a solar thermal stove, But teacher to Complete the diagram. Solar thermal box stove What will be the observation, after of Which form of solar energy is absor- Write down the energy transformation	of thing prepare red by th old them lass complet rbed by ion of a	ed list. The above students to show the function of that it was incomplete. thermo meter beaker water ting the mistakes of the stove. the above stove. solar cell.				
	A gro therm (i) (ii) (ii) (iv) (v) (v)	oup of grade 6 students prepared a list hal box stove. Name 3 things that should be in the The following apparatus was prepare a solar thermal stove, But teacher to Complete the diagram. G Solar thermal box stove What will be the observation, after of Which form of solar energy is absor- Write down the energy transformation Teacher told them that using solar energy	of thing prepare red by the old them lass complet rbed by ion of a energy is	ed list. The above students to show the function of that it was incomplete. Thermo meter beaker water ting the mistakes of the stove. the above stove. solar cell. s an environmental friendly. Give two				
	A gro therm (i) (ii) (ii) (iv) (v) (v) (vi)	oup of grade 6 students prepared a list hal box stove. Name 3 things that should be in the The following apparatus was prepare a solar thermal stove, But teacher to Complete the diagram. Solar thermal box stove What will be the observation, after of Which form of solar energy is absor- Write down the energy transformation Teacher told them that using solar en- reasons for that.	of thing prepare red by the old them lass complet rbed by ion of a energy is s. Name	ed list. The above students to show the function of that it was incomplete. Thermo meter beaker water ting the mistakes of the stove. the above stove. <u>solar cell</u> . s an environmental friendly. Give two 3 fossil fuels in <u>liquid state</u> .				

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2. Fill the blanks by using given words. (Plutonium, repel, opaque, brakish water, respiration, carbon dioxide, bacteria, fuel, coral reefs, ethanol) Plants use ..... from air for the process of photosynthesis. (i) (ii) Environmental pollution can be prevented by using ..... garbage disposal methods... (iii) Like poles of magnets ..... each other. (iv) .....is used to generate nuclear power. Light does not transmit through ..... objects. (V) Plants and animals produce energy by the process of ..... (vi) The salinity of ..... is less than marine water. (vii) ..... is a type of micro – organism used in producing curd. (viii) (ix) The gases released when burning ......causes in to increase of temperature of the environment. There is a threat for the existence of ...... due to environmental (X) pollution. ..... can be used as a fuel to run vehicles. (xi) **3.** (A) Put tick ( $\checkmark$ ) if these statements are correct, and if these are wrong, put a cross ( $\checkmark$ ) within the brackets. Light rays do not transmits in a straight line. (i) ( ) Moon is a non-luminous object. (ii) ) 'Rabana' produces sound in the same way as a drum. (iii) ) Air is transparent even when the mist is there. (iv) (when having mist also) ) ( (v) Optic fiber technology is used in different decorations. ) (B) Write short answers. An animal that cannot locomote, but show movements. -(vi) (vii) The pigment, which gives green colour to the plants -The property of increasing the length of a material by a force of stretch. – (viii) (ix) A liquid state of precipitation -The chemical substance contains in salt -(X) The equipment which uses optic fiber technology and used to observe the interior (xi) parts of the body 

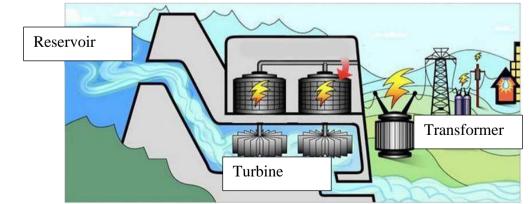




There are some small iron balls in the above plastic bottle. A powerful magnet is attached to the top of the lid.

- (i) What will be the observation, after shaking the bottle vertically (up and down)?
- (ii) Mention the reason for the above observation.
- (iii) Name 2 other things than iron balls that can be used in the above practical, to get the same observation.
- (iv) To which direction, will a bar magnet settle when it's hunged freely.
- (v) When an unmarked bar magnet is brought towards the north pole of a freely hunged magnet, it was "repelled". What may be the reason?
- (vi) Which pole of a magnet should be brought closer to the above hanging magnet, for an attraction.
- (vii) When a compass is kept on a flat surface what is the direction which its red colour point indicates?
- (viii) Name 2 persons who use the compass to find the directions.
- (ix) Draw a diagram to show how the attraction of iron powder occurs in a bar magnet.
- (x) Name 2 equipments, which have magnets?
- 5.

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- (A) (i) Name the process, described by the above diagram.
  - (ii) Fill the blanks according to the given energy transformation, after copying to your answer script.

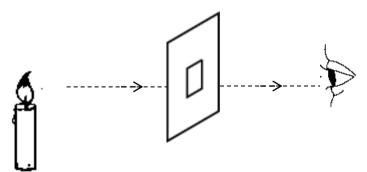
- (iii) Write down two reasons for increasing the kinetic energy of flowing water.
- (iv) Name 2 energies other than flowing water that can be used to rotate the turbine in as in part (ii)
- (v) What do you mean by 'Sustainable use of energy sources"
- (vi) Suggest 2 ways, that can be used to practice, "Sustainable use of energy" in your home.
- (B) (i) A natural sound comes out from flowing water. What is the term given to the objects that produce natural sounds.
  - (ii) By which process, that the above objects produce sound.
  - (iii) Name a sound producing instrument that you made.
  - (iv) Name another musical instrument which produce sound similar to the equipment that you made.
- 6. Following equipments are given to you to prove that light is transmitted in a straight line.
  - a transparent wide glass bottle
  - a piece of cardboard,

joss sticks,

laser beam torch

- (i) Draw labeled diagram to show the above given activity.
- (ii) Mention the difference between a light ray and a light beam.
- (iii)

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After keeping a special material. between the candle and the cardboard, light can be seen but the flame cannot be clearly seen. What will be the type of material used?

- (iv) Give 2 examples for such materials?
- (v) Give a use of above material.
- (vi) The objects that produce light are known as sources of light. Name 3 natural sources of light.
- (vii) Mention 3 uses of light.



- (viii) Light is a form of energy. Explain the difference between matter and energy.
  - (ix) Name the physical states of matter.
  - (x) Mention the physical state that ice, glaziers, and snow belongs.
- (A) Plants show a vast diversity based on their nature and can be categorize as plants, shrubs, trees and creepers.
  - (i) Mention another way of showing diversity among plants than the nature of plants.
  - (ii) Give one example each for plants and creepers.

Plant -

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creeper -

(iii) Tabulate 3 differences between plants and animals.

	Plants	Animals
1		
2		
3		

- (iv) Given one example of plant movement that <u>cannot</u> be observed within a short time period.
- (B) (v) Consider the practical that, you can do to prove "carbon dioxide is released in respiration" and complete the following.
  - (a) The things needed:
  - (b) Labeled diagram:
  - (c) Method:
  - (d) Observation:
  - (e) Conclusion:

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