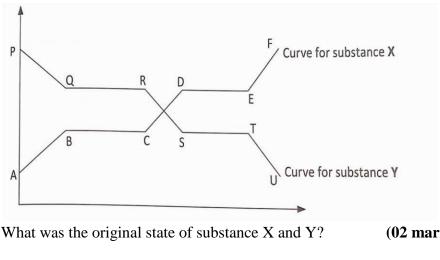
dent's ne:		Stream:
	Ug	ganda Certificate of Education
		OMPETENCE BASED ASSESSMENT UNATIONS
		ISTRY (THEORY) 2 hours
TRUCTIONS: This paper co	nsists of eight qu	uestions.
	estions in the spo n form of drawin	aces provided. ags should be made where necessary, with a sharp pencil.
		For official use only
Number	Score	comment Teacher's
1.		
2.		
3.		
4.		
1 (a) State tw	v o differences be	etween a temporary and permanent change.
		(02 marks)
Temporary	change	permanent change

(b) W	Trite true or false for each o	f the following statement	s. (01 mark @)			
(i) E	Boiling an egg is a temporary	y change	••••••			
(ii) S	Sublimation of iodine is a pe	rmanent change	••••••			
(iii) E	Burning wood is a permanen	t change	••••••			
(iv) S	Souring of porridge is a temp	oorary change	••••••			
labo labo	oratory gas. They later disco oratory had been left open.	vered that the smell was l	out that it was filled with the smell of the because one gas tap at the corner of the			
(a	 Using kinetic theory of n laboratory. 	Using kinetic theory of matter, explain why the smell of the gas reached all parts of the aboratory. (02 marks)				
			()			
(b) What is the name of the		spread to all parts of the laboratory. mark)			
 Diffor			cesses. State the difference and similarity			
	two processes	(02 marks)	cesses. State the difference and similarity			
••••						
(d)) Which of the two process					
(i)	Absorbs heat?		(01mark)			
 (ii)	Releases heat?		(01 mark)			
		matter all matter is made	e up of small particles that are in a			
co	nstant and random state of n	notion. A group of senior	one students from vision for Africa High using a balloon. They inflated it as			
sh	own below;					



(a)	a) Explain how the particles of air inside the balloon create pressure to make it swell				
outwa	ards.	(02 marks)			
 (b)		on under sunshine for some hours, it was observed that			
the ba	alloon increased in size. How can y	ou explain this observation using the particle theory of			
matte	r?	(03 marks)			
• • • • • • •					
• • • • • • •					
• • • • • •					
 (d).	Give any two differences in the a	arrangement and behavior of particles in			
solids and in gases.		(02 marks)			
	Particles in solids	Particles in gases			

4. The figure below shows the heating and cooling curves for substances X and Y. Study it and answer the questions that follow.



(a)	What was the original state of substance X and Y?	(02 marks)			
(b)	Explain the shape of the curve for substance X between each of the following parts (i) A and B (02 marks)				
	(ii) B and C				
	Explain the shape of the curve for substance Y between (i) Q and R				
	(ii) S and T				

END