

S.1 CHEMISTRY

E.O T I EXAMS

TIME: 1:45 MINUTES

INSTRUCTIONS: Attempt all questions

1 a) Giving two examples in each case, define

b) A physical change.

Example of physical change.

ii) Chemical change.

Example of a chemical change.

b) Outline any four difference between a physical change and a chemical change.

Physical change	Chemical change
(i)	
(ii)	
(iii)	
(iv)	
(v)	

1. Smoke particles were put in a glass cell and observed using cimicroscope.

a) (i) State what was observed

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(ii) Give a reason for your answer.

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b) The temperature of the glass cell was increased, state what was observed.

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(i) Give a reason for your answer.

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c) In another experiment pollan grains were placed on the surface of water in a basin.

(i) State what was observed.

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d) The temperature of the water was increased upto 50°C.

(i) State what was observed.
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(ii) Give a reason for your answer
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3 a) Ethanol was mixed with water, in a baker.

i) State what was observed.
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(iii) Give a reason for your answer.
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b) i) Give a suitable method of separating a mixture of Ethanol and water.
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(ii) Give a reason for your choice of the method of separation of the mixture.
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c) In another experiment Kerosine was mixed with water in a separating funnel.

a(i) state what was observed.
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(ii) Give a reason for your answer.

d) What name is given the Mixture of Kerosine and water.

4. Draw a Bunsen burner and state the functions of each part.

b) Outline any four differences between luminous flame and non-luminous flame

Luminous flame	Non luminous
(i)	
(ii)	
(iii)	
(iv)	

END