

HELP YOUR STUDENTS SCORE 90's
IN CHEMISTRY PAPER 1
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SECTION A

Element Of Construct Two

Let them revise antidote for EOC2 ie;

1. Chemicals for consumers ie;
 - ✓ Food additives
 - ✓ Detergents
 - ✓ Medicines
2. Nuclear reactions

here, they have 7 scores confirmed

Element Of Construct Three

Still they should revise antidote for this EOC

here ,they have 8scores confirmed

SECTION B

Part i ;

Element Of Construct One(Industrial Processes)

Here we shall confirm 6scores for them;

Raw materials and process of production	Side effects and mitigations=3scores	Social benefits=03scores
<p>???????????????? ?????????????? ????????????? ?????????? ????????? ?????? ????? ??? ??? ?? ?? ?</p>	<p>Effluent discharge from the plant into water bodies contaminates✓the water hence affecting aquatic life and quality of water✓.Prevented by treated of the wastes before disposal/recycling of the wastes✓</p> <p>NB.this applies to all the industrial processes</p> <p>Emission of carbondioxide ✓in the atmosphere which causes global warming✓.Prevented by recycling✓carbondioxide</p> <p>NB.This applies to extraction of iron and manufacture of cement</p> <p>Emission of sulphur dioxide gas in the atmosphere which causes air pollution✓ resulting into acidic rain✓ which affects plant growth.Mitigated by treating the gas✓</p> <p>NB.This applies to extraction of copper,manufacture of fertilizers</p>	<p>Source of employment opportunities✓ to the residents hence improved income✓.This allows them to afford basic needs like shelter,health and education which improves their standards of living✓</p> <p>Increased ✓ government revenue through taxes hence improvement of infrastructures✓ such as schools,roads,hospitals leading to development of the area✓</p>

	<p>Bursting✓ of the vessel causing wounds and even death to workers✓.Mitigated by regular inspection and maintainance of the vessel ✓</p> <p>NB.This applies to extraction of iron,aluminium,manufacture of oxygen,ethanol,cement,lime,</p>	
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Element Of Construct Four

Here we shall confirm 8scores

Human activity	C+E+R+Cp=03scores C;category E;example R;reason Cp;composition	Impact of the human activity on the natural resource, how the impact occurs and mitigation =03scores	Importance/benefits of the Natural resource =02scores
Charcoal burning	Air✓ce and vegetation ✓ce are renewable natural resources ✓ci because they can be replenished✓cr.Air is composed of oxygen✓cp,carbondioxide, nitrogen✓cp where as vegetation is composed of carbon,hydrogen, oxygen✓cp and magnesium✓cp	Charcoal burning involves cutting down of trees which results into increased ✓i accumulation of carbondioxide in the atmosphere leading to climate change ✓h like prolonged drought etc.This can be mitigated by planting trees to absorb ✓m carbondioxide from the atmosphere	Air facilitates respiration✓bi where food is broken down to release energy which facilitates food activities✓be Air facilitates photosynthesis✓bi where carbondioxide from the air combines with water in the presence of sunlight to make food✓be
Stone quarrying	Rocks✓ce are non renewable natural resources✓ci because they can not be replenished✓cr.Rocks are composed of minerals like iron,copper,aluminium and calcium✓cp carbonate✓cp	Stone quarrying leads to land reclamation✓i through digging of holes which are breeding places for snakes✓h.This can prevented by refilling the holes✓m Duringstone quarrying, quarry residues✓i are washed away by erosion to streams and	Rocks are used for construction,aggregates are mixed with cement ,water and sand to make concrete for construction✓✓

		<p>rivers hence water pollution✓h and this can be mitigated by using strict laws on proper disposal of the residues. ✓m</p> <p>dust particles and toxic gases generated from the quarrying process pollutes the air and may cause respiratory disorders. This can be mitigated by enforcing of strict laws and treating toxic gases before release.</p> <p>During stone quarrying, water cycle✓i is disrupted through lowering the water table hence drying up of ✓h wells. This can be mitigated by using strict laws✓m.</p>	
Crop husbandry	<p>Water✓ce is a renewable✓ci natural resource because it can be replenished✓cr. Water is composed of oxygen and hydrogen✓cp</p>	<p>Crop husbandry involves the application of fertilizers✓i in the garden, once these fertilizers are eroded into water bodies, they pollute the water✓h hence making it unsafe for use. This can be prevented by application organic manure✓m</p>	<p>Water bodies provide water for irrigation✓bi that cools crops and makes them to grow healthy and hence boost food production✓be.</p> <p>Water bodies provide water for drinking; this helps to cool our bodies and helps to dissolve the food we eat.</p> <p>Generates hydroelectric power; ✓bi fast moving water runs turbines that converts mechanical energy to electrical energy. ✓be</p>

Deforestation	<p>Air✓ce and trees✓ce are renewable ✓ci natural resources because they can be replenished✓cr. Air is composed of oxygen✓cp, carbondioxide, nitrogen where trees are composed of carbon, hydrogen, oxygen and magnesium✓cp</p>	<p>when trees are cut down, water cycle is disrupted✓i hence little rainfall received✓h, this can be mitigated by planting trees to absorb carbondioxide from the tmosphere ✓m</p> <p>when trees are cut down, carbondioxide accumulates in the atmosphere which leads to global temperature rise hence reduced rainfall formation or swamps are drained. This can be mitigated by planting trees to absorb carbondioxide</p>	<p>Trees from forests are used as fuel✓bi since they are burn to release heat energy which can be used for cooking. ✓be</p> <p>Trees provide us with oxygen for respiration; during photosynthesis, oxygen is released as a bi-product and can be used for respiration.</p>
Industrialization	<p>Air✓ce and water ✓ce are renewable✓ci natural resources because they can be replenished✓cr. Air is composed of oxygen✓cp, carbondioxide, nitrogen where as water is composed of hydrogen and oxygen ✓cp</p>		<p>Air facilitates respiration ✓bi where food is broken down to release energy which facilitates food activities✓be</p> <p>Air facilitates photosynthesis ✓bi where carbondioxide from the air combines with water in the presence of sunlight to make food✓be</p>
	<p>Ci;category identified</p> <p>Ce;example of the category</p> <p>Cr;reason for the category</p> <p>Cp;composition of the natural</p>	<p>I;impact of the human activity</p> <p>H;how it occurs</p> <p>M;mitigation</p>	<p>Bi;benefit identified</p> <p>Be ;benefit explained</p>

Confirmed score summary;

EOC 2	EOC 3	EOC 1	EOC 4	Expected scores	Actual confirmed scores
7	8	6	8	32	29

Thank you

CHEMISTRY DRAWING BOARD PROPOSED BY TEA