	CHEM	istry 'Head' - The K	NOWLEDGE YOU	J WILL COVER FF	XOM YEAR 7-11												
5	Mat	 The formula index - (Samity index, Sayaka et against - Gainst and provide makes - Gainst and provide makes - Gainst and darkes the process - Ga	Reporting withins: - Dutricke the process of Efforts in - Ergian discharge in terms of - practice, - Dutricke and ergians the distillation - Dutricke and ergians the distillation dramstagraphy.	Nerdet Tole : Describe have the periodic table is erganized and explained why it is useful "beaches hypotaled Chinesi properties of group 7. Describe hypotal and Domail Properties of group 7. Describe hypotal and Domail Properties of group 7.	relative mass - Explain the differences between atoms, elements and compounds in terms of particles, - Compare the properties of elements and comounds.	 Apply knowledge of physical processes to explain crystallisation, Describe the main features of the 	 Apply knowledge of the periodic table to prodict some nearbox of dements. Explain how the chemical properties of an elements relates to its electronic structure and therefore position in the periodic table. Describe and evolutie developments in the formation of the periodic table. 	terms of its structure and bonding. Explain the properties of graphite in terms of its structure and bonding. Know that graphite is similar to metals in that it has delocalised	substitution interpretation of channel appartunes. - Explain the meaning of the law of commercine our law or word and imple myhol equations is represent this. - Describes the equations given in terms of manker of index, resistant and products. - Define atomic number, relative atomic mass and relative formula mass and be able to use the particle table to calculate these.	Use of answer of existences (VT) to easies of providences (VT) - Define one male in terms of - surgers - Calculate the number of males in a - additionace using the relative of remains - Calculate the number of males in a - additionace using the relative of remains - Calculate the number of males and - additional of the male of a given machine - product. If com the blacked syndol - against mode that a classification present - Like the number of substrateging and - additional the mass of a given machine - additional the number of a limiting against - additional the number of a limiting against - additional terms of - add	nacting (danistry of) Guidate the processing yield of protect from the and yield of a reactor. Guidate the processing yield of protect from the and yield of a reactor. Guidate the alter accomplete a reactors that the start of protect from the banced each of the start of protect from the banced each of the start of protect and the start of the start of protect and the start of the start of the start of the start of the start each of the start of the start of the start each of the start of the start of the start of the each of the start of the start of the start of the each of the start of the protects.	mol/dm3 (chemistry only) - Explain how the concertration of a solution in mil/dm3 is related to the mans of the solute and the values of the solution. - Que intractions using the idea that values of two solutions that react competentiations of two solutions is known, the acceleration of the other solution of the concentration of the other solution	and pressure from its mass and relative formula mass ·Calculate volumes of gaseous reactants and products from a balanced	Party, femalitaria ad Antoniongraphy Gefore fre trin pro antonica ad Fondation Vian entropart ad biolog part data to disripath part final parts administration administration and the second second second administration and the second second second second second second second second second administration administration and administration - Interpret dimensional additional second from dimensional second secon			
6	Reac	ions Heratic and Non Kende - Describe the physical properties of restals and non-metals. - Describe the marcine between metals and non-metals. - Describe the marcine between - Describe		Denical energy Explain energy charges taking place during secthermic reactions. - Describe associated of explanations and anothermic reactions. - Softex what candicity is and capability took it works in terms of energy.	Distinguish between exothermic and endethermic neactions on the basis of the temperature change of the surroundings · Evaluate uses and applications of exothermic and endothermic neactions given oppropriate information.	(Density of) (Spain the one alsoftworker off and an antibular of the use of rechargeable one ne chargeable cells. I Interpret data in terms of the relative reactivity of different matele and to evaluate the use of high-agen faul cells in comparison with rechargeable cells on dostremes. (HT only)	concentration, pressure, temperature and surface area on the rate of a reaction, videntify catalysts in reactions from their effect on the rate of reaction	Amerable reactions and dynamic explaining - Explose what is mean by a reversible reaction. - Descrobe the effects of subjects the effects of - Explose the effects on subjections of dynamic and the effects of a subjection exemples. Interpret a generative size of a dynamic product the effect of a dynamic magnetic materials in the effect of a dynamic materials in the effect of a dynamic materials in the magnetic materials in the effect of a dynamic materials in the effect of a dynamic materials in the materials in the effect of a dynamic materials in the materials in the effect of a dynamic materials in the materials in the effect of a dynamic materials in the materials in the effect of a dynamic materials in the effect of a dynamic materials in the effect of a dynamic materials in the effect of a dynamic materials in the effect of a dynamic materials in the effect of a dynamic materials in the effect of a dynamic materials in the effect of a dynamic material of the effect of a dyn	or sharing of electrons in lonic, covalent and metallic bonding. Use do not crease diagrams and other melecular notation to represent bonding in lonic and covalent substances. "Describe the bonding in metals and represent this in diagram form, "Evaluate the usefulness of some	related to the properties of		Sectionly of metals (Explain reduction and analytics in turns of loss as grains of anyopsi. Facual and decision the reactions, f any, of potassian, society, initium, reduction, mogenitium, cair, initian of calcium, morphism, cair, initian of above appropriate, to place these metals is norder of reactivity of metals on order of reactivity and the society of results of the medacogr of the metals is included to the medacogr of the metals in the form its partime on - Schulars graphic metal ensembles	 Identify which species are oxidised and which are reduced in given chemical equations, Use the formulae of 	Description - Description the concease of electrolysis is mainten and spaces compands - Which half aquations for the reactions accurring of the alcohol description (alcohol) and the product the products of the alcohol value of pays and a stress of the stress of the alcohol accurations. In motion that the add stress is companded in the infect that add stress - Spipion why a matters is used as the alcoholysis.	metals •Compare the physical and	Extending of anoma gases Construction for any other test of the hydrogen, anygen, carbon dioxide and charac and what a parties result would shoe	Standhorms of laws by observed and separtnessing laws of films hard and the "disacribe how to carry and a films hard and the instance scale for films, Sodian, Phasean, The second second second second second second carbon and and perform results are carbon within to biological second second show. "Which biological department for the rescales to the product the analysis deprecised, and any second second second second second performance and the demission factors are the segmentation and the demission factors are the apportant on instruction factors, when accompanyed by a laws in their or those free, when accompanyed by a
7	Ear	 Destribut the compatition and attracture of the Earth. Describe the properties of metamorphic, igneous and sedimenta rocks and explain how they are formed. 	Describe night, day and the seasons and the phases of the moon and explain these in terms of the motion of the Earth and other celestial	Climate Construction for comparison of the moders rangelizes the acceler throughper or deploying with Nan- charged eases through the charged eases through the charged eases through the charged ease through the last of the forcultur cycle. I - Coplian the consequence of global easeming for long thege.	the Earth's atmosphere Desribe the composition of the Earths atmosphere interpret evidence and evaluate different theories about the Earth's early atmosphere.	preshouse gases Describe the preventions effect in terms of the interaction of abert and long waskingth radiation with matter. Visulate the quality of evidence in a report about global climate change given appropriate information. "Describe briefly four potential effects of global climate change and discuss the scale, risk and environmental implications of global	exides of nitrogen are produced by	obtaining potable water "Stote examples of natural products that are supplemented or replaced by agricultural and synthetic products. Distriguish between finite and reservable resources given appropriate information.	the Earth provides and explain how humon activity can limit these resources. - Describe the process of recycling and explain some advertages and isodiantings of these processes. - Describe what on ore is and how more reactive metals and less more reactive metals and less	Carry out simple comparative LCAs for	Countrol acyportunit and interpret reading to also with to third and with or an excession of networks. Oppins scoreling protection in terms of relative exactivity. Explain how low dealing dealing the Explain how low dealing dealing the Explain how low dealing dealing the explaint of the transition of the transition of the transition of the transition of the transition of the explaint of the transition of the transition of the experimental of the transition of the experimental of the explaint of the experimental of the explaint of the experimental of the explaint part of the explaint	Durchs the formation of could oil and define hydrocontrol Recognize mbetness or allower given their formable in these forms, work of the formation of exponence of in terms of exponence and deallithers work in terms of exponence Recall how bolling point, visceshy and filomeable/tydrogen with non-samp molecular size. White balance departors for the complete combatton of hydrocombase with a given music.	Explain chemical changes using the particle model, Explain uses of combustion in the wider world, Explain thermal decomposition reactions using particles and formula	Sectors of datases and cloaks (closentry arr) Accepton advances and along speen that Accepton advances and along speen that Accepton for data (shared a tracked from the high of the grown accepton and the production of the acceltone and the production of the acceltone and the active rate of the acceltone active active active rate of the acceltone active active active rate of the acceltone active active rate of the acceltone active Acceptone active the acceltone active active rate of the active active active active active active active rate of the active ac	group -CrC- in the monomers. • Draw diagrams to represent the formation of a polymer from agiven alkere moramer. • Explain the basic	and position of equilibrium. - Exploit how the commercially used conditions for the laber process are related to the availability and cest of now materials and energy supplies, central of equilibrium position and rate. - Recall the remes of the solits produced when phosphetic rack is treated with intri- acid, sulfamic acid and phospheric acid	6