Fayol Inc. 0547824419

SECOND TERM WEEKLY LESSON NOTES WEEK I

Week Ending: 06-04-2023		DAY:		Subject: Science			
Duration: 100mins				Strand: Diversity Of Matter			
Class: B8		Class Size:		Sub Strand: Atomic Structure			
Content Standard: B8.1.1.2 Demonstrate u the atomic structure of			Indicator: B8.1.1.2.1 Describ sub-atomic partic	sed of	Lesson:		
Performance Indicator Learners can describe a		osed of sub-atomic particles Core Compete DL 5.3: CI 6.8: D					
References: Science Curriculum Pg. 54							
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Phase/Duration PHASE I: STARTER	Learners Acti		evious lesson		Resour	ces	
	Revise with learners on the previous lesson. Share learning indicators and introduce the lesson.						
PHASE 2: NEW LEARNING	Guide learners to explain an atom and its structure of an element using/linking it to the periodic table.						
	Have learners list the sub-atomic particles found in the atom and indicate their location in the atom (e.g. proton, electron, neutron).						
	Brainstorm learners to state the electrical charges on the subatomic particles.						
	Learners in groups describe the differences between the atomic number and the mass number of elements.						
	Engage learners to determine the number of protons, neutrons and electrons in an atom. Example: The atomic number of an element is 19 and its mass number is 39. Calculate the following α). proton number β). electron number β). neutron number						
	Hence; proto proton numb β). electron relectrically, the	number is another n number = atom er = 19 number ne atom is neutral	name for atomic naic number				
	proton numb electron num γ). neutron n	ber = 19					

	Given mass number $[A] = 39$, atomic number $[Z] = 19$ Mathematically, $A = Z + N$ also; $Z + N = A$ N = A - Z N = 39 - 19 N = 20. neutron number = 20	
	Assessment I. State two differences between a proton and an electron 2. An atom has three protons and three neutrons. i. How many electrons are there in this atom? ii. Draw a labeled diagram to show the arrangement of all particles in the atom	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson.	

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Duration: 100mins			:	Strand: Diversity Of Matter			
Class: B8	Class S		Size: Sub Strand: Atom		ic Structure		
Content Standard: B8.1.1.2 Demonstrate understanding of atoms and the atomic structure of elements in the periodic table			Indicator: B8.1.1.2.2 Explain the arrangement of element terms of the number of protons in the nuclei of atoms of each element				Lesson:
Performance Indicator: Learners can explain the arrangement of element of protons in the nuclei of atoms of each element of element of each element of element of element of each element of element o				nber Competencies: DL 5.3: Cl 6.8: DL 5.1: Cl 6			5.6:
References: Science Cui	rriculum Pg. 55	5					
Phase/Duration	Learners Acti	vities				Resources	
PHASE I: STARTER	Revise with learners on the previous lesson.						
	Share learning indicators and introduce the lesson.						
PHASE 2: NEW LEARNING	Share learning indicators and introduce the lesson. Brainstorm learners for the meaning of electronic configuration. Electronic configuration refers to the arrangement of electrons on the shells of an atom. Electrons in the atom are arranged on the shells in increasing energy levels from the nucleus. Energy level [n]						es and charts

