Fayol Inc. 0547824419

THIRD TERM WEEKLY LESSON NOTES WEEK I

Week Ending: 30-06-20	DAY:		Subject: Science						
Duration: 100mins	·		Strand: Diversity Of Matter						
Class: B8	Class Size:			Sub Strand: Structure Of Prokaryotic & Eukaryotic Cells					
Content Standard: B8.1.2.1 Demonstrate a types of cells and their different organisms	_	g of the B8 L2 L1 Examine and describe the struct			ure of	Lesson: 2 of 2			
Performance Indicato Learners can examine a eukaryotic cells	e structure of prokaryotic and DL 5.3: CI 6.8: D				.6:				
References: Science Co	urriculum Pg. 5	4							
Phase/Duration PHASE I: STARTER	Learners Activities Revise with learners on the previous lesson.						Resour	ces	
PHASE 2: NEW LEARNING	Revise with leading of the series with leading to the series and committee and committ	earners on to explain to earners to e c cell is a ty other memb a, endoplasm c cell is a ty other memb a, endoplasm d contrast p s tic cells are cells do not a de atin bodies ithin the cy	the definition he concepts is explain the term and the concepts is explain the term and the concepts is explain the term and the concepts are the concepts and the concepts are the concepts are the concepts and the concepts are	troduce the lesson. Inition of a cell. Itepts in the learner's book. Ithe terms; Ithe terms; Ithelearner's book. Ithe terms; Ithelearner's book. Ithele				Pictures and charts	
	binary fissio prokaryotes Create a tabl	n occurs in to show a types of cel	like Bore rej eu a chart or a sl	oth sex productikaryot	cual and ction o ces				

Put learners into groups, let them draw and label a prokaryotic cell and a eukaryotic cell and make a presentation on what is observed. Lipid droplets cholosynthetic lamellae a typical cyanobacteria Guide learners to discuss the importance of prokaryotic and eukaryotic cells. Most enzymes in the digestive system that assist in the breakdown of food are in the form of prokaryotes. Pathogenic microbes are forms of prokaryotes that from harmful protect us micro-organisms. Some prokaryotes help our immune system to function properly. Plants are eukaryotic organisms that provide humans with most of the requirements of life like; oxygen, food, medicine, etc.

Assessment

of plant food.

Describe briefly how prokaryotes are different from eukaryotes. Name two [2] single bound membrane organelles in eukaryotic cells

Lower class organisms like; worms' termites play active roles in the decay of organic matter into humus; which is ready form

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.

Week Ending: 30-06-2023		DAY:		Subject: Science		
Duration: 100mins				Strand: Diversity Of Matter		
Class: B8		Class Size:		Sub Strand: Classification of Organisms		
Content Standard: B8.1.2.1 Demonstrate an understandir of cells and their structure in relation organisms Performance Indicator: Learners can classify organisms as pro		to different animals) as prok based on the typ		organisms (plants ryotic or eukaryotic of cells they are modern DL 5.3; CI 6.8; DL	nade of I of 2	
References: Science Cu	ırriculum Pg. 5	4				
Phase/Duration PHASE I: STARTER		earners on the pr			Resources	
PHASE 2: NEW LEARNING	Have learner animals as properties of the process o	s observe and list okaryotic or euka anisms: , Escherichia coli, Str., Halobacterium, Meia (e.g., Anabaena, Systs: Physcomitrium pater teridium aquilinum) ants (e.g., Arabidopsis ands: (e.g., Caenorhabditis Drosophila melanogonio rerio, Salmo salar, Chelonia mydas, Pytallus gallus, Passer de allus gallus, Passer de ag., Homo sapiens, Menpact of prokaryotes safety measur pact: Prokaryotes plats those in the gut minthe synthesis of vitaliens by competing for mpact: Some prokaryote bacteria like Eschemas	sthanobacterium) snechocystis) sthaliana, Rosa hybrid) stelegans) ster, Apis mellifera) sthon regius) smesticus) sus musculus, Canis lup stes and eukaryotes sres to protect them sty a crucial role in humo scrobiota, help with dige smins. They also provide stresources and producing sotes can cause diseases scrichia coli, Streptococci stan lead to conditions si	us) on humans' n. an health. Beneficial estion, nutrient protection against ng antimicrobial s in humans. us pneumoniae, and	Pictures and charts	

Safety Measures:

- I. Good Hygiene Practices: Practicing good hygiene, such as regular handwashing with soap and water, helps prevent the spread of pathogenic bacteria. This is especially important before handling food, after using the restroom, and when in contact with individuals who are sick.
- 2. Vaccination: Vaccines are available for several bacterial infections, such as tetanus, diphtheria, pertussis, and pneumococcal diseases. Ensuring appropriate vaccination helps protect against these pathogens.

Eukaryotes:

- I. Beneficial Impact: Eukaryotes have various positive effects on human health. For example, plants provide us with essential nutrients, medicinal compounds, and oxygen through photosynthesis. Additionally, beneficial eukaryotic organisms like fungi contribute to the decomposition of organic matter and the formation of healthy soils.
- 2. Pathogenic Impact: Some eukaryotes can cause diseases in humans. Examples include fungi such as Candida albicans, which can cause yeast infections, and parasitic organisms like Plasmodium spp., responsible for malaria, and Trypanosoma cruzi, causing Chagas disease.

Safety Measures:

- I. Personal Hygiene: Maintaining personal hygiene, including regular bathing, cleaning of living spaces, and proper handling and storage of food, helps minimize the risk of fungal and parasitic infections.
- 2. Vector Control: Controlling vectors like mosquitoes and ticks helps prevent the transmission of diseases caused by parasitic eukaryotes. Measures include using insect repellents, wearing protective clothing, and eliminating breeding sites.
- 3. Proper Food Handling: Properly washing, cooking, and storing food helps prevent the growth and spread of eukaryotic pathogens. This includes refrigerating perishable items, avoiding cross-contamination, and following food safety guidelines.

Assessment

- 1. What is the role of beneficial bacteria in human health?
- 2. Give an example of a prokaryotic organism that can cause disease in humans.
- 3. How can good hygiene practices help prevent the spread of pathogenic bacteria?
- 4. Name a eukaryotic organism that provides essential nutrients to humans.
- 5. What are some safety measures to protect against fungal infections?
- 6. How can vector control help prevent the transmission of diseases caused by eukaryotic parasites?
- 7. What is the importance of proper food handling in relation to eukaryotic pathogens?
- 8. Which type of cell, prokaryotic or eukaryotic, is found in plants?
- 9. How do eukaryotic fungi contribute to healthy soils?
- 10. Name a vaccine-preventable bacterial infection.

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.	