

Water Cycle Educational Activity Sheet

Introduction

Introduction to the Water Cycle

The water cycle is an essential process that affects our daily lives and the environment. This educational activity sheet is designed to help 14-year-old students understand the water cycle and develop their critical thinking and problem-solving skills.

Section 1: Water Cycle Basics

	lowing questions:				
	he main compon	ent of the wate	er cycle?		
a. Wa b. Air	ter				
c. So	I				
d. Su					
Answer:	a) Water				
2 What ar	the three main s	togge of the w	otor ovolo?		
	the three main s poration, Conder				
	poration, Transp				
		pitation, and R	unoff		
b. Ev c. Co		on, and Evapor			
b. Ev c. Co d. Inf	Itration, Percolati	and an area area.	and Precipitati	on	
b. Ev c. Co d. Inf		ondensation, a	ma i recipitati		
b. Ev c. Co d. Inf	Itration, Percolati	ondensation, a			
b. Ev c. Co d. Inf	Itration, Percolati	ondensation, a			
b. Ev c. Co d. Inf	Itration, Percolati	ondensation, a			

Section 2: Visual Thinking Routines

Answer the	following questions:	
a. b. c. d.	is the purpose of visual thinking routines in problem-solving? To develop critical thinking skills To improve memory To enhance creativity To increase productivity eer: a) To develop critical thinking skills	
2 How	can visual thinking routines be used to understand the water cyc	nle?
a. b. c. d.	By creating diagrams and charts By writing essays and reports By conducting experiments and investigations By watching videos and presentations eer: a) By creating diagrams and charts	JIE:

Section 3: Water Cycle Diagrams

reate a diagram to show our own words.	v the different stage	s of the water cycle.	Label each stage and e	explain the process
[Space for diagram]				

Section 4: Critical Thinking Questions

iswer the folio	wing questions:				
1. What wou	ld happen if the	water cycle wer	e to stop?		
1					
2. How does	the water cycle	affect the envir	onment?		
 	·				
3. What are	some ways to co	nserve water in	our daily lives	?	
!					

Section 5: Problem-Solving Activity

Group Task: A city is experiencing a severe drought due to a lack of rainfall. The city's water supply is running low, and the residents are worried about their water usage. What are some possible solutions to this problem? [Space for solution]

Section 6: Conclusion

Conclusion

In conclusion, the water cycle is an essential process that affects our daily lives and the environment. By understanding the water cycle and using visual thinking routines, we can develop our critical thinking and problem-solving skills. Remember to conserve water and protect the environment.

Assessment

Assess	sment Tasks
Comple	te the following tasks:
1. Di	raw a diagram to show the water cycle and label each stage.
2. W	rite a short essay on the importance of the water cycle and its impact on the environment.
	[Space for essay]
3. Cı	reate a poster to promote water conservation and explain its significance.
	[Space for poster]

Extension Activity

Extension Activity
Research and create a presentation on a real-life example of how the water cycle affects a specific ecosystem or community. Share your findings with the class and discuss the implications of the water cycle on the environment.
[Space for presentation notes]