JOY INTERNATIONAL COLLEGE KADUNA HOMEWORK

CLASS: SS2 SUBJECT: CHEMISTRY

S/N	REVISION TOPIC	CONTENT	OBJECTIVES
1	POLLUTION	Study:	At the end, you should be
		 Definition of pollution. 	able to:
		 Types of pollution, effects 	 Define pollution.
		and control.	State the types of
			pollution.
			Outline the effects and
			control measures of
			pollution.
2	WATER AND	Sources and types of	At the end of your Study, you
	SOLUTIONS	water.	should be able to:
		Hardness of water, types	State the sources and types
		and methods of removal	of water.
		of hardness of water.	 Define hardness of water.
			State the types of hardness
			of water and methods of
			removal of hardness of
			water.

REVISION QUESTIONS FOR TOPIC 1

- 1. Pollution of rivers by organic waste is harmful to aquatic organisms because of_____
 - A. Scarcity of food in the food
 - B. reduction in the amount of dissolved oxygen
 - C. Presence of heavy metal ions
 - D. increase in the level of sediments
- 2. Which of the following gases makes up the largest percentage of the atmospheric air?
 - A. Carbon (iv) oxide
 - B. Hydrogen
 - C. Nitrogen
 - D. Oxygen
- 3. The mixture of gases used in a photographer's flash tube is
 - A. Argon and Krypton

B. Krypton and Xenon				
C. Helium and Argon				
D. Argon and Xenon				
4. Which of the following substances is not a pollutant?				
A. Carbon (iv) oxide				
B. Chlorofluorocarbon				
C. Sulphur (iv) oxide				
D. Hydrocarbon				
5. which of the following is an impurity in air?				
$A. CO_2$				
$B. O_2$				
$C. H_2O$				
D.CO				
6. A consequence of global warming is				
A. Water pollution				
B. Flooding				
C. Increased humidity				
D. Air pollution				
7. Which of the following materials is classified as non-biodegradable pollutant				
A.Paper				
B. Plastics				
C. Wood				
D animal hide				
8. Factors which can contribute to environmental pollution include the following except				
A. Chemical warfare				
B. Overpopulation				
C. Industrialization				
D. Agricultural activities				
9. Environmental pollution is worsened by the release from automobile exhausts of				
A. Steam B. Smoke				
C. Heavy metals				
D. Water vapour				
10. All the following are types of pollution except				
A. Air pollution				
B. Land/Soil pollution				
C. Water pollution				
D. Domestic pollution				
B. Boniestie ponduon				
ESSAY				
1a. What is pollution?				
b. State 3 methods for controlling water pollution.				
2a. State two effects of air pollution.				
b. Outline two soil pollutants.				

REVISION QUESTIONS FOR TOPIC 2

11. The method that can be used to convert hard water to soft water is
a. Passage over heated charcoal
b. Aeration
c. Chlorination
d. The use of an ion exchange resin
12. Steam changes the colour of cobalt (ii) chloride from
A. White to green
B. Blue to pink
C. Blue to white
D. White to red
13. The chemical used for coagulation in water purification is
A. Sodium tetraoxo-sulphate (VI)
B. Copper tetraoxo-sulphate (VI)
C. Calcium tetraoxo-sulphate (VI)
D. Aluminium tetraoxo-sulphate (VI)
14. Pure water has a boiling point of
A. 200°C
B. 100°C
C100°C
D. 0°C
15. Which of the following is a disadvantage of hard water?
A. Hard water tastes better than soft water
B. It causes wastage of soap
C. Hard water can be supplied in lead pipes
D. It is hard
16. Permanent hardness of water can be removed by all the following except
A. Distillation
B. Addition of washing soda
C. Boiling
D. Permutit method
17. Which of the following is not a natural source of water
A. Rain water
B. Spring
C. Pipe-borne water
D. River
18. The two types of water are&
A. Permanent and temporary
B. Natural and artificial
C. Natural and treated
D. Permanent and natural
19. The method for the removal of hardness of water that is not economical is
A. Addition of caustic soda

- B. Permutit method
- C. Addition of washing soda
- D. Distillation
- 20. Water turns white anhydrous copper II tetraoxosulphate (VI) to
- A. Red
- B. Blue
- C. Pink
- D. Green

ESSAY

- 1a. Define hard water.
- b. State three advantages of hardness of water.
- 2a. Differentiate between temporary and permanent hardness of water.
- b. Outline all the methods used for the purification of water for town supply.

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Note:

- Students should feel very free to interact with any of above teachers for assistance through phone calls, WhatsApp or email.
- Students should solve questions in their test and assignment exercise book.