

Science 10

5.2 Sheet

Name: _____

Date: _____

Instructions: Read pages 234-242 in your textbook and answer the following questions in point form

1. Why have civilizations around the world placed great value on salt?
2. What is the proper chemical name for salt?
3. What are three places that salt can be obtained?
4. What is a salt made up of? How are they formed?
5. What are three uses of salts?
6. What can iodine deficiency in a human diet cause?
7. What is a neutralization reaction? Give an example.
8. What is aluminum sulfate used for? How is it formed?
9. What is magnesium acetate used for? How is it formed?
10. What is a metal oxide?
11. What happens when a metal oxide reacts with water? Give an example.
12. What is a non-metal oxide?
13. What happens when a non-metal oxide reacts with water. Give an example.
14. What type of oxides does the burning of fuels produce?

15. Explain how acid rain forms from burning fuels.

16. What are three causes of acid rain?

17. Where do the most reactive metals appear on the periodic table?

18. What do these reactive metals often combine with?

19. Is gold reactive? What can it react with?

20. When metals react with acids what gas do they make? Give an example.

21. Where is most of the carbon dioxide on the earth's surface trapped?

22. What happens when carbonate rocks react with acids?

23. Clearly explain why lakes in western Canada are less likely to be harmed by acid rain than lakes in eastern Canada.

24. What is "liming."

25. Two acids in acid rain are sulfuric acid and nitric acid. Write the equations that show how carbonates neutralize these acids.

26. Read "explore more" on page 239. What is being done to protect the sphinx from acid rain?