

Everyday uses of Mystery Powders

Directions: As a group you will read the information sheet about the powders and answer the following questions.

Baby Powder

1. What mineral is baby powder made from?
2. Talc is made of what 3 elements?
3. Why is baby powder used for babies?
4. What is a physical property of baby powder?

Baking Powder

5. What are the 3 chemicals that make up baking powder?
6. What activates baking powder?
7. What gas is produced when the powder is activated?
8. What is a chemical property of baking powder?

Baking Soda

9. What is the product of reacting baking soda with vinegar?
10. Give 3 examples of ACIDS that are often added with baking soda when baking.
11. Give 2 examples of every day uses for baking soda (besides baking).
12. What is a chemical property of baking soda?

Corn Starch

13. What plant is corn starch made from?
14. What specific part of the plant is the corn starch made from?
15. What is an everyday use for corn starch?
16. What is a chemical property of corn starch?

Plaster of Paris

17. What mineral is plaster made from?
18. How is plaster of Paris prepared?
19. Give 2 examples of every day uses for plaster.
20. What is a physical property of plaster?

Salt

21. What two elements is salt composed of?
22. What percent of salt is actually used for food seasoning?
23. Give 2 examples of every day uses for salt (besides food seasoning).
24. What is a physical property of salt?

Sugar

25. What does sugar provide for our bodies?
26. What is the most common sugar in the body?
27. Give 2 examples of every day uses for sugar (besides to make your food sweet).
28. What is a chemical property of sugar?

Borax

29. Give ONE other name for borax.
30. Does Borax dissolve easily in water?
31. List 3 uses for borax.
32. Where was Borax first discovered?

Flour

33. What can be ground up to make flour?
34. Flour is the main ingredient in what?
35. When flour is used in cakes, what is it combined with?
36. Is white flour naturally white? Why?