MATTER

1. What is a pure substance?
2. What state of matter do elements come in?
3. How many letters are in an element’s symbol?
4. What element is found in many rings?
5. What is a compound?
6. What two gases combine to make a common liquid? What is the liquid?
7. What gas and a solid combine to make sand?
8. What is a mixture?
9. What is the difference between a homogeneous and a heterogeneous mixture?
10. What kind of mixture is sand? Why? What kind of mixture is a steel spoon? Why?
11. What is a solution?
12. What is a suspension?
13. What is a colloid?
14. Give an example of a solution, a suspension and a colloid!
15. Name two properties of lemonade!
16. What is viscosity?
17. What is conductivity?
18. What is malleability?
19. What is hardness?
20. What happens at the melting point? What happens at the boiling point?
21. What is density?
22. What can you do with known physical properties of a substance?
23. What is filtration?
24. What is distillation?
25. What is a physical change of a material?
26. What can change during a physical change?
27. What is the difference between a reversible and a non-reversible physical change?
28. What happens when a candle burns?
29. What is a chemical property?
30. What is rust?
31. Why do researchers in Japan use nitrogen to prevent rust?
32. What is a chemical change?
33. What does a change in color of a material indicate?
34. Why does copper change color?
35. What can the formation of a gas mean?
36. What is a precipitate?
37. What is the difference between a physical and a chemical change in a substance?