

What is in it exercise?

Group One

Item	Mixture, Compound, Element	Components
1. Gasoline	M - Several Hydrocarbons	H ₂ , C
2. Coal	M - Sulfur, Carbon, minerals	C, S
3. Sand	M - Iron, SiO ₂	Si O ₂
4. Fiberglass	M - Glass, Plastic	Si O ₂ C H ₂
5. Tooth Paste	M - silica, fluoride detergent	C Si O ₂ C H ₂
6. Paper	M	C H ₂
7. Paper Clip	M -Iron, Carbon trace metals	Fe C Cr Mo etc
8. Auto exhaust	M - water, CO CO ₂ N Ar	O ₂ C H ₂ N Ar
9. Tire	M - rubber, steel, nylon	O ₂ C H ₂ Fe
10. Tire Rim	M - steel or Aluminum alloy	Fe Cr Al Mg

Group Two

Item	Mixture, Compound, Element	Components
11. Brass	M - Copper, Zinc	Cu, Zn
12. Penny	M - Copper, Zinc	Cu, Zn
13. Pencil Lead	E - Carbon	C
14. Airplane Wing	M - Aluminum, Magnesium	Al Mg
15. Electrical Wire	M - Copper Plastic	Cu C H ₂
16. Can of peaches	M - Steel, Water, Sugar	Fe Cr Ni H ₂ O ₂ C
17. Lemon Lime Soda	M - water, Citric Acid CO ₂	H ₂ O ₂ C
18. Engagement Ring	M - Gold Diamond	Au C
19. Sea Salt	M - NaCl others	Na Cl F I Ca H ₂ O ₂ others
20. Glass	C - SiO ₂	SiO ₂

Group Three

Item	Mixture, Compound, Element	Components
21. Vodka	M - Water alcohol	H ₂ O ₂ C
22. Sugar	C - Sucrose	H ₂ O ₂ C
23. Plastic	C -	H ₂ O ₂ C
24. Dime	M Copper, Nickel	Cu Ni
25. Battery	M - Acid Lead water	H ₂ O ₂ Pb S
26. Light bulb	M- Glass Aluminum Tungsten	SiO ₂ Al W
27. Candle	M - Hydro carbons	H ₂ C
28. Natural Gas	C - Methane	H ₂ C
29. Helium Balloon	M - Plastic He	H ₂ C He
30. Nail	M - Iron other metals	Fe C Br Mo

Group Four

Item	Mixture, Compound, Element	Components
31. Epsom Salt	C - Magnesium Chloride	MgCl ₂
32. Vinegar	M - Water Acetic Acid	H ₂ O ₂ C
33. Rust	C - Iron Oxide	Fe O ₂
34. Steam	C - Water	H ₂ O ₂
35. Car Exhaust	M - water, CO CO ₂ N Ar	O ₂ C H ₂ N Ar
36. Bronze	M - Copper, Tin, Zinc	Cu, Sn, Zn
37. Solder	M - Tin & Lead	Sn Pb
38. Nickel	E	Ni
39. Silverware	M Silver, Copper	Ag Cu

40. Beer Can	E - Aluminum	Al
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What Chemical and/or Physical Reactions are involved in the following:

Baking a Cake
Making Bread
Burning Wood
Making Beer
Ripening Fruit