

Hydrocarbons:

1. Fractional Distillation
2. Halocarbon Anesthetics
3. Lycopene and Other Hydrocarbon Antioxidants
4. Addition Polymers (Plastics)
5. Buckminsterfullerene and Carbon Nano-tubes

Alcohols, Phenols, and Ethers:

6. Alcohol Poising and Fetal Alcohol Syndrome
7. Phenolic Antiseptics and Disinfectants
8. Ether Anesthetics
9. Animal uses of Thiol Alcohols for Defense
10. Chemistry of Vitamin-E

Aldehydes and Ketones:

11. Aldehydes and Ketones as Flavoring Agents
12. Chemistry of Vision
13. Progesterone, Norethynodrel and Birth control
14. Chemistry of Vitamin-A
15. Vanilloids and Pain Relief

Carboxylic Acids and Esters:

16. Chemistry of Aspirin, Acetaminophen and Ibuprofen
17. Alpha-hydroxy acids in cosmetics
18. Chemistry of Vitamin-C
19. Retin-A and other Topical Acne Treatments
20. Condensation Polymers (Fiber Polymers)
21. Biodisels (esters of fats)
22. Nitroglycerin in Medications
23. Ester Local Anesthetics (Epidurals)
24. Muscle Fatigue (Lactic Acid)

Amines and Amides:

25. Polyamide Chemistry
26. Antihistamines
27. Chemistry of Nicotine and Caffeine Addiction
28. Alkaloid Chemistry of Opiates
29. Amphetamines
30. Neurotransmitters
31. Amide Local Anesthetics (Topical Anesthetics)
32. Sulfonamide Antibiotics
33. Amides in Medicine: Amytal, Valium and Polycillin
34. Chemistry of Vitamin-B₆
35. Epinephrine (Adrenaline)
36. Resin Polymers (Construction Polymers)
37. Antidepressants

Other:

38. Chemistry of Artificial Sweeteners
39. Chemistry of Taste
40. Synovial and Bursa Fluids (Organic Lubricants)
41. Tamoxifen and Taxol (Cancer Fighting Drugs)
42. Nuclear Magnetic Resonance of Organic Compounds
43. Inferred Spectroscopy of Organic Compounds
44. Mass Spectroscopy of Organic Compounds
45. Gas Chromatography of Organic Compounds
46. High Performance Liquid Chromatography of Organic Compounds
47. Ion-Exchange Chromatography of Organic Compounds
48. Chemistry of Tooth Development and Wear
49. Chemistry of Smell