

# Chemistry 328: Bridging the two cultures

## Suggested topics

Prof. Kevin Range

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1. Radioactivity
2. Relativity
3. Nuclear magnetic resonance
4. The Standard Model
5. Symmetry
6. Laser
7. Superconductivity
8. Cosmic microwave background radiation
9. The four fundamental forces
10. Osmosis
11. The Rutherford Experiment
12. The Haber-Bosch process
13. Isotopes
14. Vitamins
15. Enzymes
16. Photosynthesis
17. Distillation
18. Chromatography
19. The chemical bond
20. The Central Dogma of Biochemistry
21. Plastics
22. Ribozymes
23. Fullerenes
24. Vaccination
25. Genetics
26. Antibiotics
27. The birth-control pill
28. Prions
29. Evolution
30. Global warming
31. The ozone layer
32. Acid rain
33. The Big Bang
34. Stellar evolution
35. Steel
36. Gunpowder
37. Airplane
38. Eugenics
39. The digital computer
40. The steam engine
41. Electricity
42. Quantum mechanics
43. Atomic theory
44. Ideal Gas Law
45. Otto & Diesel engines
46. Calculus
47. Heisenberg's uncertainty principle
48. Miller-Urey experiment
49. Polymerase chain reaction
50. Beer