Analysis of the topics covered in Part B of National High School Chemistry Exams since 1995

Please see the exam question papers for the full wording of the questions, which includes details of what students might be expected to cover in their responses. Even where essay titles look similar, they may have required very different approaches.

2009

1. Group 14
2. Ethanol
3. WHMIS
4. Experiment design (preparation of buffer solutions)

2008

1. Water hardness
2. Alternatives to gasoline
3. Isomers
4. Experiment design (determination of an equilibrium constant)

2007

1. Period 3
2. The greenhouse effect
3. Chemical equilibrium
4. Experiment design (to determine the enthlpy change of solution of anhydrous copper sulfate in water)

2006

1. Soaps and detergents
2. Plastics
3. Transition elements
4. Experiment design (to determine the enthalpy change of combustion of a fuel called Wizzo)

2005

1. Fire!
2. What is the best kind of water to drink?
3. Gasoline
4. Experiment design (to determine the rate of reaction between potassium permanganate and ethanedioic acid)

2004

1. Acids and Bases
2. Proteins
3. Garbage disposal and recycling
4. Experiment design (to determine the percentage of acetylsalicylic acid in a batch of aspirin tablets)

2003

1. The Periodic Table
2. The Octet Rule
3. The Kyoto Protocol
4. Experiment design (analysis of antacid tablets)

2002

1. Oil (Petroleum)
2. The Extraction of Metals
3. Bonding

2001

1. Air pollution
2. Catalysts
3. Polymers

2000

1. The Periodic Table and Periodicity
2. Water
3. Petroleum

1999

1. Polymers
2. Sodium hypochlorite
3. Rates of reaction

1998

1. Crude oil
2. Water
3. Forms of elemental carbon

1997

1. Extraction of metals and corrosion
2. Biochemicals
3. Electrical conductivity of solutions

1996

1. Ozone layer
2. Alkaline earth metals
3. Bonds

1995

1. Forms of ionizing radiation
2. Acids and bases
3. Experiment to determine the enthalpy change of a reaction