

GRADE 12

PHYSICAL SCIENCES P2

REVISION


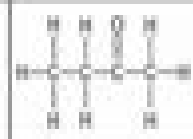
CHEMISTRY

FULL QUESTION

REVISION

QUESTION 1 (Start on a new page.)

The letters A to D in the table below represent four organic compounds.

| | | | |
|----------|---|----------|---|
| A |  | B |  |
| C | $\text{CH}_3\text{CH}_2\text{CHO}$ | D | Butane |

Use the information in the table to answer the questions that follow.

- 2.1 Write down the:
- 2.1.1 Letter that represents a ketone. (1)
 - 2.1.2 Structural formula of the functional group of compound C. (1)
 - 2.1.3 General formula of the homologous series to which compound A belongs. (1)
 - 2.1.4 IUPAC name of compound A. (2)
 - 2.1.5 IUPAC name of compound B. (2)
- 2.2 Compound D is a gas used in cigarette lighters.
- 2.2.1 To which homologous series does compound D belong? (1)

Grade Physical Science Paper 2 Scope

SA Adler



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Resources in Education ,2001-10 **Pathways to the Science Standards** Steven J. Rakow,1998 The purposes of this guide are to demonstrate how to apply the National Science Education Standards to the real world of the middle school classroom and to serve as a tool for collaboration among principals state and local administrators parents and school board members Different sections focus on science teaching standards professional development standards assessment standards content standards program standards and system standards The unifying concepts and processes discussed in the content standards include science as inquiry physical science life science earth and space science science and technology science in personal and social perspectives and the history and nature of science The appendices contain an account of the relevant history of the National Science Education Standards the actual National Science Education Standards and ideas about the design of middle school science facilities DDR *Research in Education* ,1974 *Chemical News and Journal of Physical Science* ,1894 *Discover Science: Teacher's annotated edition* ,1991 Science content helps develop the skills needed to understand how science works learn new concepts solve problems and make decisions in today s technological society

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success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents

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web the titration of a weak acid with a strong base involves the direct transfer of protons from the weak acid to the hydroxide ion the reaction of the weak acid acetic acid with a strong base naoh can be seen below in the reaction the

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web as seen in the chapter on the stoichiometry of chemical reactions titrations can be used to quantitatively analyze solutions for their acid or base concentrations in this section we will explore the underlying chemical equilibria that make acid base titrimetry a

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