

GRADE 12 CHEMISTRY EXPERIMENT: ESTERIFICATION

SURNAME OF LEARNER: _____

NAME OF LEARNER: _____

DATE: _____

GRADE: _____

TOTAL	
	50

PREPARATION OF ESTERS

INTRODUCTION

Many of the flavours and odours of fruits are esters. Ethyl ethanoate is the most common ester found in wines and contributes to the perception of the fruitiness of wine.

Process:

Esterification, an organic reaction whereby an alcohol reacts with a carboxylic acid in the presence of a catalyst form pleasant smelling substances.

- Characteristics: pleasant aroma/smell. Esters have a pleasant, characteristic smell and occur freely in nature in fruits and flowers.
- Natural flowers (Dehiscence- opening of the flower, ripening of fruits)
- Industrial application e.g. manufacturing of perfumes, air-fresheners, colourants, flavourants, soap etc.

PRECAUTIONS

- Wear safety goggles and protective clothing.
- No direct heating of alcohol

2learner Guide Grade 1experiment Preparing Different Esters

Wolfgang Guggemos



2learner Guide Grade 1experiment Preparing Different Esters:

Decoding **2learner Guide Grade 1experiment Preparing Different Esters**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**2learner Guide Grade 1experiment Preparing Different Esters**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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