

Annual Examinations for Secondary Schools 2015

FORM 1

INTEGRATED SCIENCE

TIME: 1h 30min

Name: \_\_\_\_\_

Class: \_\_\_\_\_

ANSWER ALL QUESTIONS

1. Jacob and Abigail wanted to investigate water. The first thing they did was to heat 100 ml of water until it boiled and observed what happened.

a) Underline TWO (2) things that they used:

spatula      beaker      Bunsen burner      funnel      balance      (2 marks)

b) Draw and name the apparatus that is used to measure the volume of water accurately.



Name of apparatus: \_\_\_\_\_  
(2 marks)

c) Complete the observations carried out by Jacob and Abigail.

When the water started to boil, it changed into \_\_\_\_\_.

The \_\_\_\_\_ showed that the boiling point of water is \_\_\_\_\_.  
(3 marks)

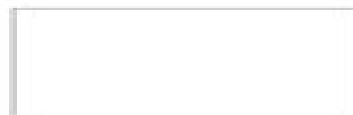
d) During boiling, water changed its state of matter from a liquid to a gas.

i. What is this change called? \_\_\_\_\_ (1 mark)

ii. In the boxes below, draw the arrangement of the particles before and after this change.



before



after.

(2 marks)

# Form 1 Integrated Science Paper

**RJ Alexander**



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## **Table of Contents Form 1 Integrated Science Paper**

1. Understanding the eBook Form 1 Integrated Science Paper
  - The Rise of Digital Reading Form 1 Integrated Science Paper
  - Advantages of eBooks Over Traditional Books
2. Identifying Form 1 Integrated Science Paper
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Form 1 Integrated Science Paper
  - User-Friendly Interface
4. Exploring eBook Recommendations from Form 1 Integrated Science Paper
  - Personalized Recommendations
  - Form 1 Integrated Science Paper User Reviews and Ratings
  - Form 1 Integrated Science Paper and Bestseller Lists
5. Accessing Form 1 Integrated Science Paper Free and Paid eBooks
  - Form 1 Integrated Science Paper Public Domain eBooks

- Form 1 Integrated Science Paper eBook Subscription Services
- Form 1 Integrated Science Paper Budget-Friendly Options
- 6. Navigating Form 1 Integrated Science Paper eBook Formats
  - ePub, PDF, MOBI, and More
  - Form 1 Integrated Science Paper Compatibility with Devices
  - Form 1 Integrated Science Paper Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Form 1 Integrated Science Paper
  - Highlighting and Note-Taking Form 1 Integrated Science Paper
  - Interactive Elements Form 1 Integrated Science Paper
- 8. Staying Engaged with Form 1 Integrated Science Paper
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Form 1 Integrated Science Paper
- 9. Balancing eBooks and Physical Books Form 1 Integrated Science Paper
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Form 1 Integrated Science Paper
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Form 1 Integrated Science Paper
  - Setting Reading Goals Form 1 Integrated Science Paper
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Form 1 Integrated Science Paper
  - Fact-Checking eBook Content of Form 1 Integrated Science Paper
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks

#### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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web 1  $\sigma_{\text{address} = 021g \text{ s } 0}$  supplier find the ids of suppliers who supply some red part and some green part  $\pi_{\text{sid}} \sigma_{\text{colour} = \text{red} \vee \text{green}} \text{part catalog}$   
part catalog  $\pi_{\text{sid}} \sigma_{\text{colour} = \text{green}} \text{part catalog}$  1 alternatively we can replace the intersection with a join  $\pi_{\text{sid}} \sigma_{\text{colour} = \text{red} \vee \text{green}} \text{part catalog}$   
part catalog  $\pi_{\text{sid}} \sigma_{\text{colour} = \text{green}} \text{part catalog}$  1 1

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possible because of closure property model for sql

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