



## LIFE SCIENCES Grade 12

### Practical Investigation 1

**Date:** 18 February 2014

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

|       |    |
|-------|----|
| Total |    |
|       | 30 |

### TO INVESTIGATE THE PROCESS OF MEIOSIS

Organisms produced by sexual reproduction are truly new organisms. They have different sets of genes from their parents. The gametes formed by meiosis are just for the purpose of sexual reproduction. Gametes cannot grow into another organism until they fuse with another gamete to form a zygote. When the zygote forms, it is genetically unique.

Genetic variation allows a species to have a better chance of adapting to and surviving sudden changes in the environment. No two individuals in a sexually reproducing population are exactly the same. Meiosis during sexual reproduction therefore ensures maximum genetic variation and improved the chances of a species' survival.

*Source: Life Sciences Explained Grade 12*

1. Study the electron micrographs showing various phases of meiosis



- 1.1 State the places where this process will take place in human females .

\_\_\_\_\_

(1)

# Grade 1life Science Practical Exam

**Rosina Ehmann**



## **Grade 11 Life Science Practical Exam:**

**Middle School Life Science** Judy Capra, 1999-08-23 Middle School Life Science Teacher's Guide is easy to use. The new design features tabbed loose sheets which come in a stand up box that fits neatly on a bookshelf. It is divided into units and chapters so that you may use only what you need. Instead of always transporting a large book or binder or box you may take only the pages you need and place them in a separate binder or folder. Teachers can also share materials. While one is teaching a particular chapter another may use the same resource material to teach a different chapter. It's simple it's convenient.

**TEACHING OF SCIENCE** DAVAR, MONIKA, 2012-07-07 A frequent use of scientific and technical methodologies has revolutionized various fields of education and science education is not an exception. This book elaborates on various important aspects of science education and comprehensively deals with its objectives and applications in the classroom programmes. The purpose of this book is to help the trainee teachers learn the nitty gritty of science teaching and instill in them the teaching skills and inquiry based teaching methodologies so that they can apply these skills practically. Divided into six units comprising 23 chapters the book discusses step by step methodologies of teaching science and the ways and means of preparing the lesson plans. The chapter on Teaching aids provides useful tips on using teaching aids to make the teaching learning process more interactive. The book is intended for the undergraduate students of Education and can also be used as a reference book for the Science teachers.

**KEY FEATURES** Defines the objectives of science teaching as per the National Curriculum Framework NCF 2005 and simultaneously provides an exposure to other latest policy perspectives. Provides up to date information on new evaluation system of CCE and grading for Class X introduced by the CBSE board in the year 2010. Guides the trainee teachers in constructing practical Test Paper Viva Questions and Multiple Choice Questions as per the latest CBSE guidelines.

**Competition Science Vision**, 2000-06 Competition Science Vision monthly magazine is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well qualified professionals of Physics Chemistry Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to the point study material for aspiring candidates. The magazine covers General Knowledge Science and Technology news Interviews of toppers of examinations study material of Physics Chemistry Zoology and Botany with model papers reasoning test questions facts quiz contest general awareness and mental ability test in every monthly issue.

*Private Secondary Schools: Traditional Day and Boarding Schools* Peterson's, 2011-05-01 Peterson's Private Secondary Schools Traditional Day and Boarding Schools is everything parents need to find the right day or boarding private secondary school for their child. Readers will find hundreds of school profiles plus links to informative two page in depth descriptions written by some of the schools. Helpful information includes the school's area of specialization setting affiliation accreditation subjects offered special academic programs tuition financial aid student profile faculty academic programs student life admission information contacts and much more.

Instructor ,1974-02      The Photographic News ,1890      *Resources in Education* ,2001-10      **Digest** ,1904  
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