

**LIFE SCIENCES Grade 12**

**Practical Task Term 2: Genetics and Heredity**

Date: \_\_\_\_\_

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

Duration: 1 hour



Total	
	30

**SECTION A**

**QUESTION 1**

**INSTRUCTIONS TO LEARNERS – THIS IS AN INDIVIDUAL TASK.  
THE TASK MUST BE DONE IN CLASS UNDER  
CONTROLLED CONDITIONS.**

**Background**

Every family has observable characteristics, or traits, that are passed on from parents to their children. We can categorize these traits in two different ways: as genotype and phenotype. A person's **genotype** is the set of genes that he/she carries (what their DNA 'says'). The **phenotype** is the observable characteristics (what we can see). Different versions of the same gene are called **alleles**. To keep things simple, we give the genotype a two-letter code. You will be given codes to use in this exercise.

Each letter of the two-letter code is an allele. Remember that you get two copies of each gene: one from mom and one from dad.

You have two 'aliens' – a female and a male.



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# Grade 12 Genetics Hypothesis Testing Practical

**Joacim Rocklöv**



**Grade 12 Genetics Hypothesis Testing Practical:**

## Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Grade 12 Genetics Hypothesis Testing Practical**

In some sort of inundated with monitors and the cacophony of fast transmission, the profound energy and emotional resonance of verbal art usually fade in to obscurity, eclipsed by the constant barrage of sound and distractions. However, located within the lyrical pages of **Grade 12 Genetics Hypothesis Testing Practical**, a charming function of literary elegance that impulses with fresh feelings, lies an unique trip waiting to be embarked upon. Penned with a virtuoso wordsmith, this exciting opus instructions visitors on a mental odyssey, gently exposing the latent possible and profound impact embedded within the elaborate web of language. Within the heart-wrenching expanse of this evocative evaluation, we shall embark upon an introspective exploration of the book is main themes, dissect their fascinating writing style, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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