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JC Science 2017 Specification Learning Outcomes:

Nature	Students should be able to organise and communicate their
of	research and investigative findings in a variety of ways fit for
Science	purpose and audience, using relevant scientific terminology and
	representations
Biological	Students should be able to describe asexual and sexual
World	reproduction; explore patterns in the inheritance and variation of
	genetically controlled characteristics

Before you read the chapter, think about what you know about genetics. In the first column, record three things you already know about the passage of traits from parents to offspring. In the second column, write three things you would like to learn about this topic. When you have completed the chapter, think about what you have learned and complete the What I Learned column.

К	W	L
What I Know	What I want to learn	What I have learned

Design an investigation to if wrinkled leaves or smooth leaves is the dominant factor in a true-breeding plant?

JC Science 2017 Specification

Which is the dominant trait?

Imagine you are Gregor Mendel's lab assistant studying pea plant heredity. Mendel has crossed true-breeding plants with axial flowers and true-breeding plants with terminal flowers. Use the data below to determine which trait is dominant.

Pea Flower Location Results					
Generation	Axial (Number offspring)	of	Terminal (Number of Offspring)		
First	794		0		
Second	651		207		

Determine which trait is dominant and which trait is recessive. Support your answer with data.

Analyse the first-generation data. What evidence do you have that one trait is dominant over the other?