

Chapter 1 Animal Genetics: An Introduction

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MENDELIAN AND CLASSICAL GENETICS

The observation that living things inherit traits from their parents has fascinated since prehistoric times to improve crop plants and animals through selective breeding. The modern science of genetics, seeking to understand this process, began with the work of Gregor Mendel (Figure 1.1) in the mid-19th century.

Although the science of genetics began with the applied and theoretical work of Mendel, other theories of inheritance preceded his work. A popular theory during Mendel's