

Name _____

Date _____

Mendelian Genetics: DO NOW 1

1. Many years ago, a scientist grew pea plants that produced wrinkled peas. The peas from these plants produced new plants that also produced wrinkled peas. The scientist concluded that something in the parent plants was being transmitted to the next generation. This discovery is now known as
 - A) genetic engineering
 - B) biological evolution
 - C) heredity
 - D) natural selection
 2. The transfer of genes from parents to their offspring is known as
 - A) differentiation
 - B) heredity
 - C) immunity
 - D) evolution
 3. The principles of dominance, segregation, and independent assortment were first described by
 - A) Watson
 - B) Linnaeus
 - C) Mendel
 - D) Morgan
 4. Mendel developed the basic principles of heredity by
 - A) examining chromosomes with microscopes
 - B) using x-rays to induce mutations
 - C) analyzing large numbers of offspring
 - D) observing crossing-over during meiosis
 5. Gregor Mendel formulated some basic principles of heredity from the results of his experiments with
 - A) *Drosophila*
 - B) bacteria
 - C) four-o'clock plants
 - D) pea plants
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Answer Key
Mendelian Genetics DO NOW 1

1. C
 2. B
 3. C
 4. C
 5. D
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