

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

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

### **Quiz: Mendelian Genetics Quiz**

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Multiple Choice: Select the best answer to each question. (Knowledge/inquiry)

- 1. The “father of modern genetics” is:**
  - a. Charles Darwin
  - b. Gregor Mendel
  - c. Francis Crick
  - d. James Watson
  
- 2. If an offspring is said to be homozygous recessive, which of the following could be its genotype?**
  - a. Rr
  - b. Tt
  - c. ss
  - d. Ss
  
- 3. Genotype refers to:**
  - a. The genetic make-up of an organism
  - b. The physical make-up of an organism
  - c. The genetic and physical make-up of an organism
  
- 4. If fur colour in mice is caused by the following: B= black and b= brown, choose the genotype for the organism which will have brown fur. (Assume black is dominant)**
  - a. BB
  - b. Bb
  - c. Bb
  - d. A or B
  
- 5. A specific form of a characteristic that can be inherited is referred to as:**
  - a. Gene
  - b. Chromosome
  - c. Hybrid
  - d. Trait
  - e. mutation
  
- 6. Assume that in mice, B=black fur, b = brown fur. If a heterozygous black mouse mates with a homozygous brown mouse, what percent of their offspring will have black fur?**
  - a. 25%
  - b. 50%
  - c. 75%
  - d. 100%



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## **References**

### **Textbook:**

Dulson, Jacqueline et al. *Biology 11*. Toronto: Nelson Education Ltd., 2011. Print.

### **Website Links:**

Pro Profs Quiz Maker:

<http://www.proprofs.com/quiz-school/story.php?title=genetics-practice-test>

Zero Bio:

<http://www.execulink.com/~ekimmel/quiz5.htm>