## Chapter 11-1 ?'s

## MULTIPLE CHOICE:

Circle the answer that best completes the sentence.

The Austrian monk whose experiments with pea plants were the beginning of our understanding of genetics was \_\_\_\_\_\_.

- A. Albert Einstein
- B. Albus Dumbledore
- C. Alfred Nobel
- D. Gregor Mendel

The different alternatives or choices for a gene (like blue, green, or brown eyes) are called

- A. generations
- B. traits
- C. tetrads
- D. alleles

Crossing organisms from the  $F_1$  generation produces the \_\_\_\_\_ generation.

- A. P<sub>2</sub>
- **B**. **F**<sub>2</sub>
- *C*. *P*<sub>1</sub>
- D. None of these-you can't cross F1 organisms with each other!

Crossing organisms from the P<sub>1</sub> generation produces the \_\_\_\_\_ generation.

- A. P<sub>2</sub>
- **B**. **F**<sub>1</sub>
- **C**. **F**<sub>2</sub>
- D. None of these-you can't cross P1 organisms with each other!

Mendel's "factors" are now called \_\_\_\_\_\_.

- A. gametes
- B. genes
- C. cells
- D. zygotes

Self-pollination produces seeds with genetic information from \_\_\_\_\_ parent plant(s).

- A. ONE
- B. TWO
- C. THREE

What pattern did Mendel see when crossing pure TALL with pure SHORT pea plants?

- A. ALL the  $F_1$  offspring were short, but the  $F_2$  generation were all tall.
- B. ALL the  $F_1$  offspring were tall, but the  $F_2$  generation were all short.
- C. ALL the  $F_1$  offspring were short, but 50% the  $F_2$  generation were all tall and 50% were short.
- D. ALL the  $F_1$  offspring were tall, but 25% the  $F_2$  generation were short and 75% were tall.

WHICH OF THE FOLLOWING IS TRUE of MENDELIAN INHERITANCE?	WHICH OF	THE FOLLOWING	IS TRUE of	MENDELIAN	INHERITANCE?
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- A. If a dominant allele is present, the recessive allele won't be seen.
- B. If a recessive allele is present, the dominant allele won't be seen.
- C. Both recessive and dominant alleles show if present

## MATCH THE WORD FROM THE WORD BANK WITH ITS DEFINITION:

GENETICS	HEREC	TRA	IT PURE-BR	EEDING	
DOI	MINANT	RECESSIVE	ALLELE	FERTILIZATION	
		flower color, The joining of a s A gene choice that A gene choice that the branch of biol from parent the passing of cha	etc perm and egg to n t MASKS ANOTH t IS MASKED BY logy that studies h to offspring aracteristics from	ER choice for a trait ANOTHER choice for a trait now characteristics are transmitted parent to offspring	
		<ul> <li>A gene choice that IS MASKED BY ANOTHER choice for a trait</li> <li>the branch of biology that studies how characteristics are transmitted from parent to offspring</li> <li>the passing of characteristics from parent to offspring</li> <li>An alternative choice for a gene (such as brown, green, or blue eyes)</li> </ul>			

An organism that always produces offspring identical to itself if self pollinated