

Unit: Plant Science

Name \_\_\_\_\_

Lesson 8: Plant Genetics

Date \_\_\_\_\_

### Evaluation

**Circle the letter that corresponds to the best answer.**

1. The transmission of characteristics from one generation to another is referred to as

- a. Plant growth
- b. Inheritance
- c. Reproduction
- d. Genetics

**Correct answer is b.**

2. The part of a chromosome that determines individual plant characteristics is called

- a. Trait
- b. Pollen
- c. Gene
- d. Enzyme

**Correct answer is c.**

3. Which of the following contains information that controls the metabolic processes of a plant cell?

- a. DNA
- b. Characteristics
- c. Inheritance
- d. Enzyme activity

**Correct answer is a.**

4. Somatic hybrid plants are produced through

- a. Self-pollination
- b. Sexual reproduction
- c. Enzyme activity
- d. Genetic engineering

**Correct answer is d.**

5. The genetic information that is passed from generation to generation is found in

- a. DNA
- b. Characteristics
- c. Pollination
- d. Genetic engineering

**Correct answer is a.**

6. The manipulation of specific characteristics of a plant is known as

- a. Metabolic activity
- b. Enzyme activity
- c. Genetic engineering
- d. Chromosomes

**Correct answer is c.**