| Name | Class | Date |
|------|-------|------|

Skills Worksheet

Directed Reading A

Section: Traits and Inheritance

- 1. What ratio did Mendel find for dominant to recessive traits?
 - **a.** 1 to 1
 - **b.** 2 to 1
 - **c.** 3 to 1
 - **d.** 4 to 1

A GREAT IDEA

- 2. What are the instructions for an inherited trait?
 - a. alleles
 - **b.** phenotype
 - c. albinism
 - d. genes
- _____ 3. Two forms of a gene, one from each parent, are called
 - a. alleles.
 - **b.** phenotypes.
 - c. albinism.
 - d. genes.
- **4.** When gene pairs are written, the dominant allele has a(n)
 - a. D in front of it.
 - **b.** capital letter.
 - c. bold letter.
 - d. underlined letter.
- 5. The genotype Pp can also be written
 - a. pP
 - **b.** pp
 - c. PP
 - **d**. *Ppp*
- **6.** When purple is dominant, the white offspring of purple and white parents will be
 - a. pP
 - **b**. pp
 - c. PP
 - d. Ppp

| ame | | | Class | | Date | | |
|---|---|--|--|---|--------------------|--------------------|--|
| Directed Rea | ading A | continued | | | | | |
| | | | AND | Caracteristic (1-12 A decomposition (1-12 A | | | |
| atch the corr | ect desci | ription with t | the correct te | rm. Write | the letter i | n the space | |
| 7. used to organize possible offspring combinations | | a. pheno | otype | | | | |
| | | b. heterozygous | | | | | |
| 8. an (| organism | 's appearanc | ce | | c. genot | c. genotype | |
| gene 9. a plant with one dominant and one recessive gene | | d. homo | d. homozygous | | | | |
| | | e. genes | | | | | |
| | | f. albinis | f. albinism | | | | |
| 10. condition that causes colorless hair, skin, and eyes | | g. Punne | ett square | | | | |
| rece | ant with essive ge | | lominant or t | CWO | | | |
| 17 den | etic mak | eun formed | from both in | herited | | | |
| | etic mak les togetl | - | from both in | herited | | | |
| allel | les toget | her for traits pa | from both in | ring | | | |
| allel | les toget ructions | her for traits pa | | | p | | |
| allel13. inst | les toget ructions n parents | her for traits pas | | ring | p Pp | | |
| allel | les toget ructions n parents | her for traits pa | ssed to offsp | ring P | | | |
| allel 13. inst from | ructions n parents p Pp Pp Pp | for traits parts p Pp Pp Repeated a square on the square on the square of the squa | ssed to offsp $egin{array}{c} p \ p \end{array}$ | ring $rac{P}{pP}$ genotyp | Pp pp | | |
| allel 13. inst from P P 1. Look at the | ructions n parents p Pp Pp Punnette | for traits parts p Pp Pp Pp t square on to | ssed to offsp $m{p}m{p}$ he left. What | $\frac{P}{PP}$ $\frac{PP}{pP}$ genotyp | Pp pp e do the off | recessive | |

| Name | Class | Date |
|---|----------------------------|---------------------|
| Directed Reading A continued | | |
| WHAT ARE THE CHANCES? | | |
| a. genotype. b. albinism. c. probability. d. trait. | chance that something ca | an happen is called |
| 19. What is the probability of in | nheriting two p alleles? | |
| | | **** |
| 20. Why are the traits that Men | idel studied in pea plants | s easy to predict? |
| | | |
| MORE ABOUT TRAITS | | |
| 1. When each allele has its ow | n degree of influence, it | is known as |
| 2. How is a snapdragon an exa | ample of incomplete don | minance? |
| 3. Sometimes one gene can inf | fluence more than one _ | |
| 4. Besides genes, what else car | n have an influence on t | raits? |
| | | |
| | | |