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

**Chapter 4 Study Guide**

* **Study pages 149, 158-163, and 172-176 in your science textbook.**
* **Study your Lesson 1/2 and Lesson 3 packets**
* **Study the answers to the questions below.**
* **Study the following definitions.**

1. life cycle

2. inherited trait

3. dominant trait

4. recessive trait

5. instinct

6. learned behavior

7. environment

**Answer the following questions using your textbook.**

8. Describe Mendel’s experiment. What did he do? What were the results?

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9. What are the three possible scenarios for a cat to have the dominant trait if white fur is the dominant trait (W) and black fur (b) is the recessive trait?

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10. What is the only possible scenario for the same cat (from number 9) to have the recessive trait?

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11. Give one example of a physical adaptation.

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12. Give one example of a behavioral adaptation.

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13. Give one example of a life process adaptation.

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14. What are the stages of a butterfly’s life cycle?

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15. Give three examples of instincts.

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15. Give three examples of learned behaviors.

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