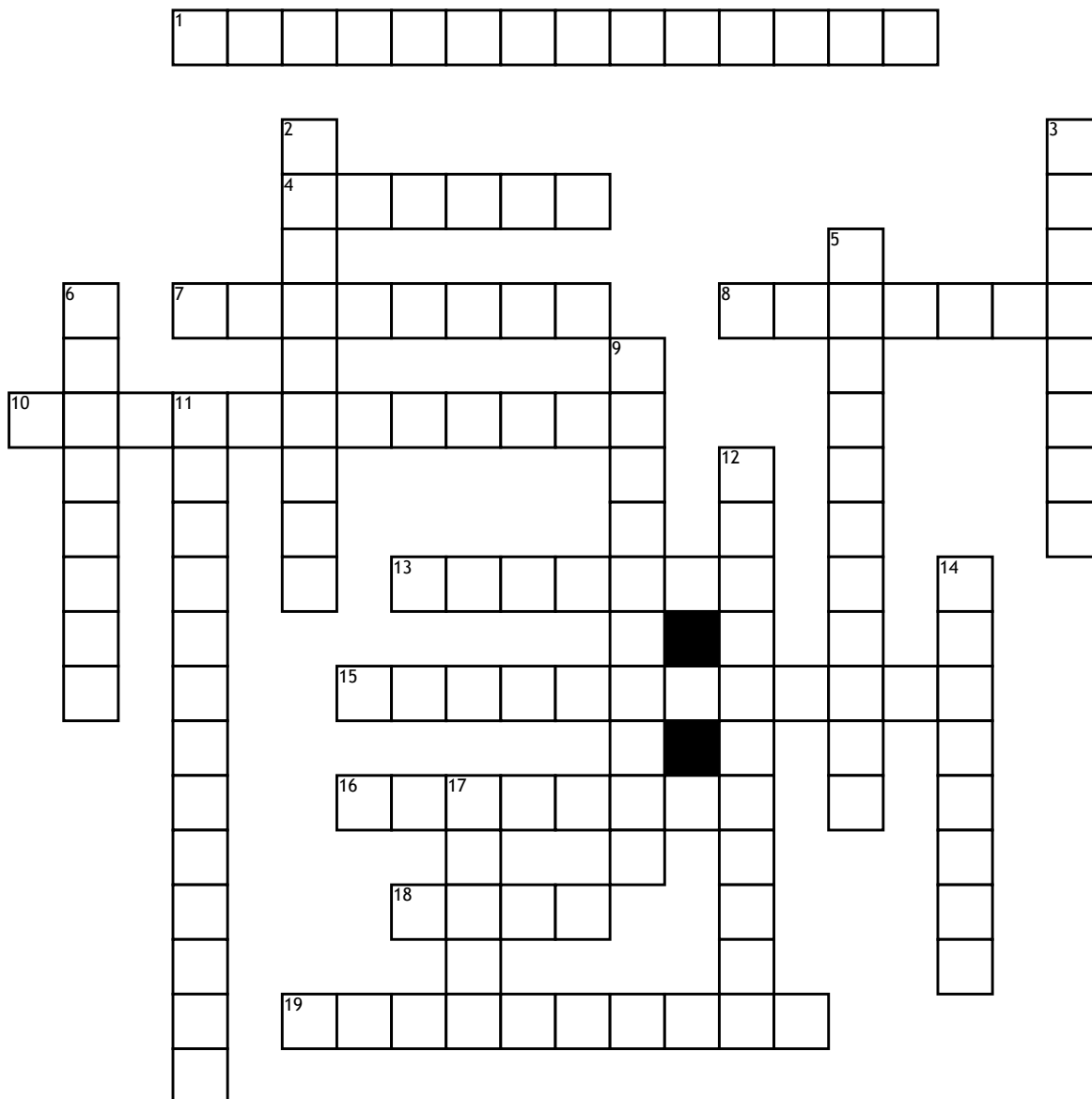


Name: _____ Date: _____ Period: _____

Tropisms in plants. Use chapter 12 (page 487) in your book to find the answers to each clue.



Across

1. A plant's response to the number of hours in the darkness it called _____

4. A behavior that is inherited rather than learned is called _____ behavior.

7. Plant _____ are substances that act as chemical messengers within plants.

8. An action in an organisms environment that cause a response

10. The growth of a plant towards light is called _____

13. A plants response to a stimuli is called _____

15. In _____, behavior is modified so that a response to stimuli becomes associated with a different stimulus.

16. A complex pattern of innate behaviors is called an _____.

18. _____ day plants are exposed to fewer than 10-12 hours of darkness.

19. The response of a plant to gravity is called _____

Down

2. An instinctive, seasonal movement of animals from one place to another is called _____

3. When a plant grows toward the tropism it is called _____

5. _____ is a response in which an animal's body temperature, activity, heart rate, and breathing rate decrease during cold periods of weather.

6. A _____ is the way an organism reacts to other organisms or its environment.

9. _____ occurs when an animal forms an attachment to an organism or place within a specific time period after birth or hatching.

11. The response of a plant to touch is called _____

12. Animals respond to changes and maintain an internal balance called _____

14. When a plant grows away from a tropism it is called _____

17. _____ day plants require 12 or more hours of darkness for flowering to occur