

[Across]

2. During the \_\_\_\_\_ stage, an ant colony grows larger by producing more workers.
6. The food of leafcutter ants.
7. \_\_\_\_\_ of labor occurs when different individuals specialize on different jobs.
9. Area around an ant nest that is off-limits to neighboring ants.
11. A living thing capable of growth and reproduction.
12. A chemical signal used for communication.
14. An ant colony begins in the \_\_\_\_\_ stage of its life cycle.
16. Ants and other \_\_\_\_\_ animals live in groups.
18. An ant colony that behaves like a single organism.
19. Ant colonies undergo a sequence of changes, or life \_\_\_\_\_.

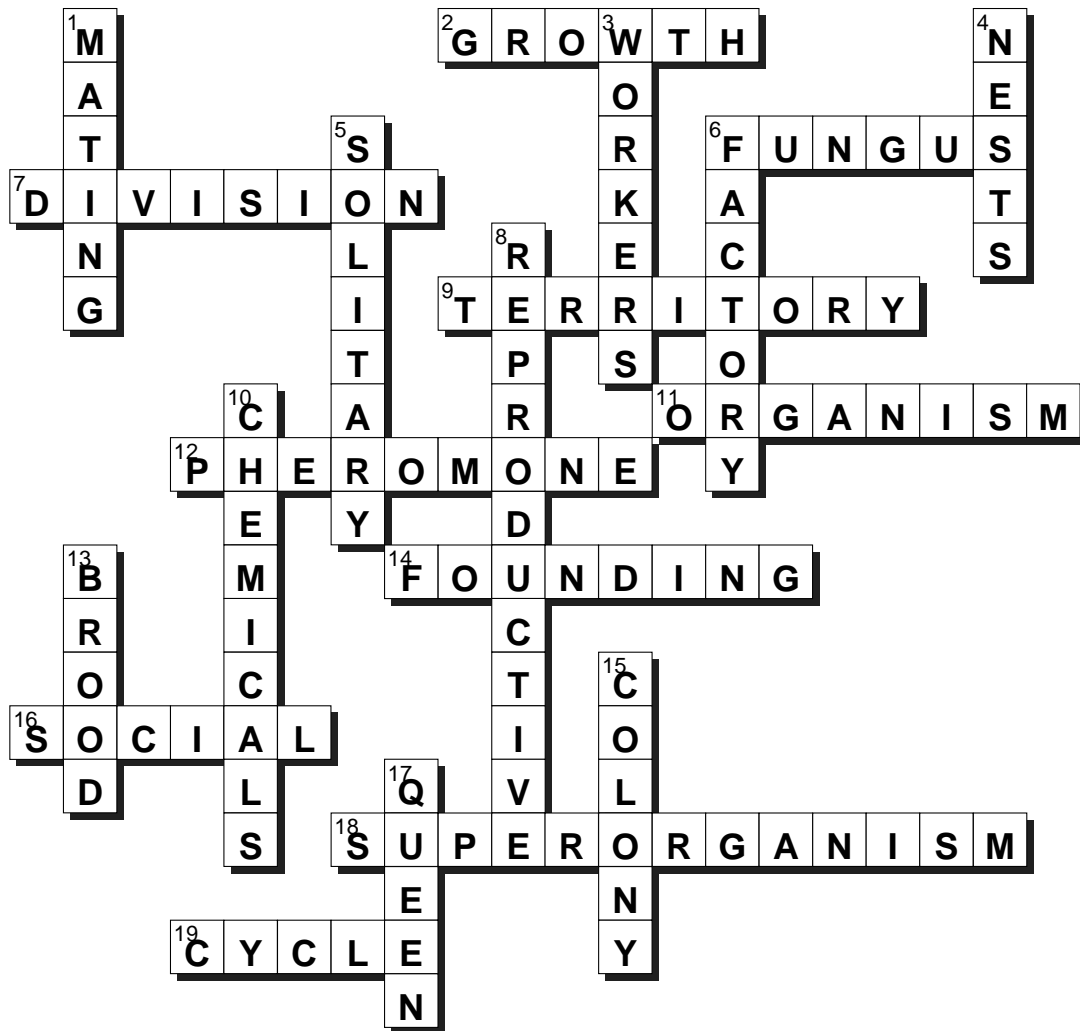
[Down]

1. After \_\_\_\_\_, queen ants start new colonies.
3. These female ants perform tasks other than reproduction.
4. Ants build their \_\_\_\_\_ in a variety of places.
5. Unlike ants, \_\_\_\_\_ animals live alone.
6. Like a \_\_\_\_\_, an ant colony converts resources (food) into products (more ants).
8. Colonies in the \_\_\_\_\_ stage of their life cycle produce new queens and males.
10. Ant nestmates use \_\_\_\_\_ to recognize one another.
13. Immature forms of an ant (eggs, larvae, and pupae).
15. Ants live and work together in a \_\_\_\_\_.
17. \_\_\_\_\_ ants lay eggs.

Try our crossword puzzle based on one of our web articles. You can learn more about this topic when you read the article *Superorganism* at the *Ask a Biologist* web address below.

([http://askabiologist.asu.edu/research/ant\\_colony](http://askabiologist.asu.edu/research/ant_colony))





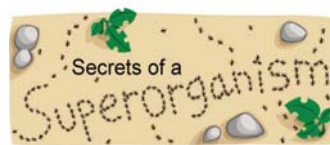
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SOLUTION

[Down]

- 2. GROWTH
- 6. FUNGUS
- 7. DIVISION
- 9. TERRITORY
- 11. ORGANISM
- 12. PHEROMONE
- 14. FOUNDING
- 16. SOCIAL
- 18. SUPERORGANISM
- 19. CYCLE

- 1. MATING
- 3. WORKERS
- 4. NESTS
- 5. SOLITARY
- 6. FACTORY
- 8. REPRODUCTIVE
- 10. CHEMICALS
- 13. BROOD
- 15. COLONY
- 17. QUEEN



This solution above will let you see how well you did with the puzzle.  
 Try some of the other puzzles at the *Ask a Biologist* web site listed below.