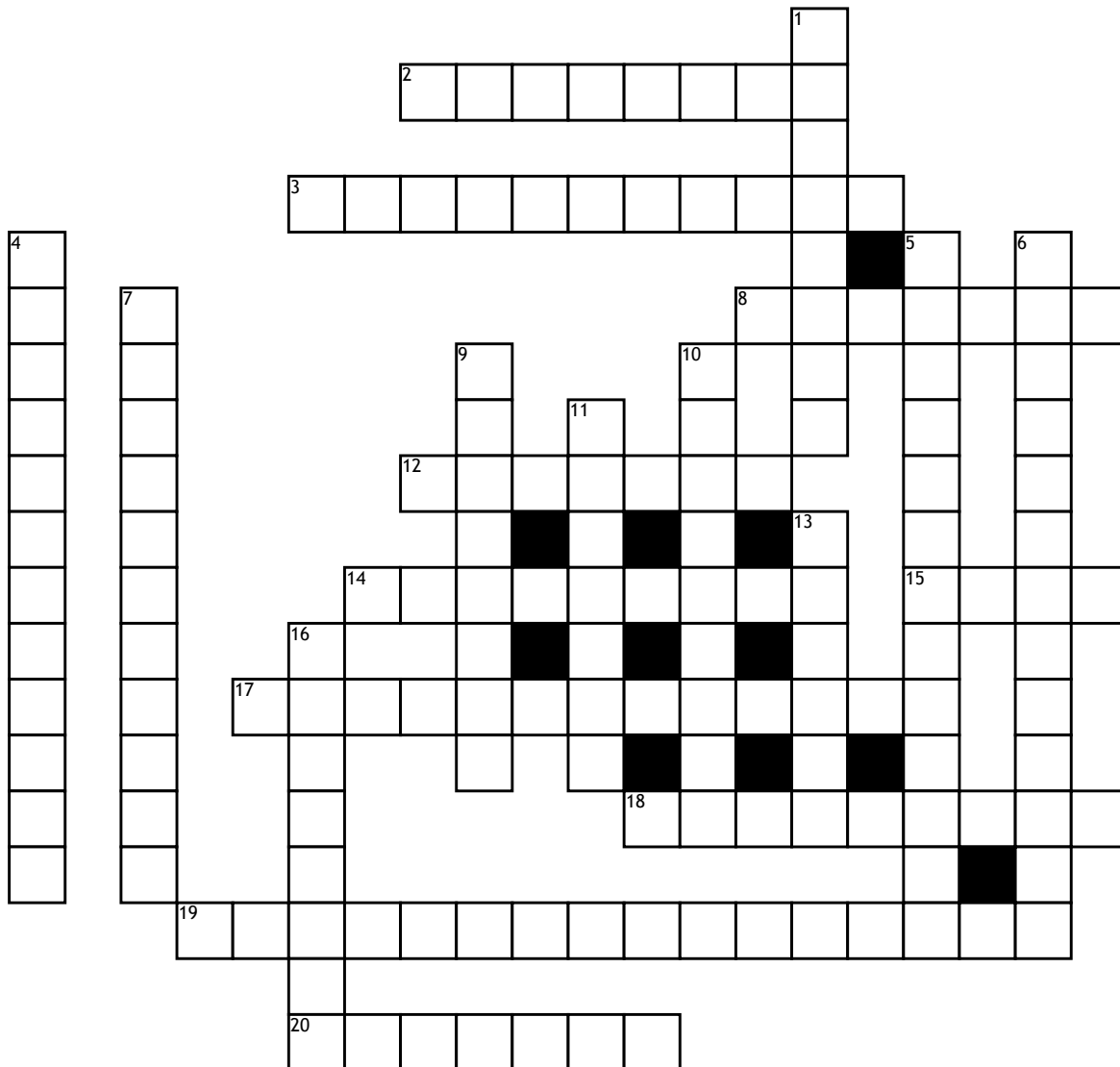


# arachnids



## Across

2. nearer to the front end  
 3. a lanceolate (elongate) mark on the midline of the dorsal surface of the abdomen  
 8. the hindmost section of the spider body, also called the opisthosoma  
 12. the stiff, chitinous protein that is the building material for the exoskeleton as well as other body parts.  
 14. these are the mouthparts that are tipped with fangs  
 15. the very first segment of the leg that is firmly attached to the cephalothorax

17. the forward-most section of the spider body  
 18. a condition characterized by lack of response to external stimuli  
 19. the groove at the end of the chelicera where the fang snugly fits like a blade in a pocket knife  
 20. an inverted 'V' shape to describe the abdominal markings of some species

## Down

1. this is the act of a spider voluntarily amputating, or dropping off, its own leg(s)  
 4. one who studies the order Araneae

5. one who studies the class Arachnida  
 6. white ridge located below the bottom (anterior) row of eyes on the spider species *Misumenoides formosipes*  
 7. the "true spiders"  
 9. a member of the Class Arachnida  
 10. the spiders' respiratory organs  
 11. the area of the carapace between the bottom (anterior) row of eyes and the beginning of the chelicerae (jaws)  
 13. a directional term meaning away from the center  
 16. the shield-like covering that protects the top of the cephalothorax