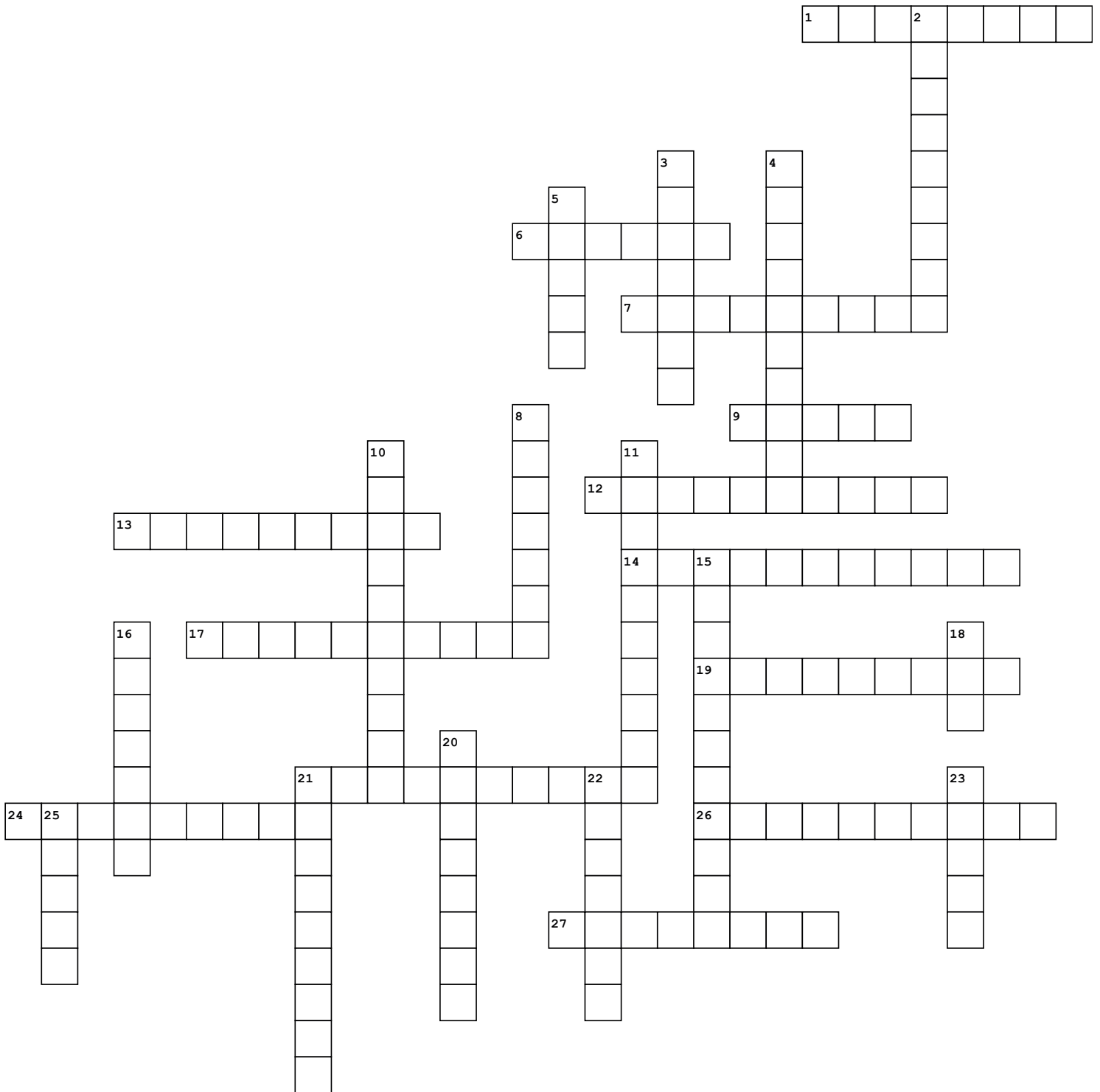


# Arthropod Crossword Puzzle



## Across

1. Describes the condition in which appendages are divided into two segmented branches.
6. Division of an insect, crustacean or arachnid's body that lies between the head and the abdomen.

## Down

2. A class of chelicerate arthropods that are characterized by simple eyes have four pairs of walking legs, no wings, book lungs and tracheae.

7. A class of myriapod arthropods having the body segments containing two pairs of legs.
9. Bloodsucking arachnids that are larger than the related mites.
12. Excretory glands in some crustaceans near the base of the large antennae.
13. Arthropod's pair of mouth parts used for biting, cutting and holding food are referred to as jaws.
14. Infection by a bacterium of the genus *Borrelia*. Serious complications if left untreated. Symptoms are flu like and may include a rash followed by fever, joint pain, and headaches.
17. Balance sensory receptor present in some aquatic invertebrates, consists of a sac-like structure containing a mineral mass and numerous innervated sensory hairs.
19. Each of the tiny light sensitive optical units that make up a compound eye.
21. A secreted or excreted chemical capable of acting outside the body of the individual that triggers a social response in members of the same species.
24. A predatory myriapod invertebrate composed of many segments bearing a single pair of legs.
26. Slender tubes that are a type of excretory and osmoregulatory system normally found in the posterior regions of arthropods.
27. A small, seed-shaped aquatic crustacean with two shells of the class Ostracoda.
3. Poisonous liquid secretions through glands of the millipede's body as a defense mechanism.
4. Spiders will spin webs for the wind to catch and take them to a new area. What is this behavior called?
5. The insect body is divided into how many major parts.
8. Order of crustaceans derived from the Greek roots same foot.
10. The jaw-like structure joined to the front of the cephalothorax that contains the fangs and venom glands of the Chelicerata.
11. Segmented hard-shelled extinct arthropods, that existed over 300 million years ago in the Earth's ancient seas.
15. A class distinguished by their aquatic mode of life and the possession of abdominal appendages which bear respiratory organs.
16. A class within the arthropods that have a chitinous exoskeleton, a three-part body, three pairs of jointed legs, compound eyes, and two antennae.
18. An insect's thorax has how many segmented legs?
20. Respiratory organs situated on the ventral surface of the abdomen, with slits opening to the outside, found in arachnids.
21. A second pair of appendages attached to the cephalothorax that has varied purposes such as pincers, sensory organs, and locomotion organs.
22. The process of shedding or moulting outer cuticle in insects and other arthropods.
23. Very tiny arachnids often infesting animals, plants, or stored foods related to the ticks.
25. All arachnids have how many legs.