

## SENTENCES THAT USE WORDS FOR THE LUNA CROSSWORD PUZZLE

### ACROSS

1. The pairs of fleshy muscular appendages on a caterpillar's abdomen that help it crawl and cling to its food plant are called \_\_\_\_\_.
2. A male luna moth can detect the \_\_\_\_\_ given off by a female as far as a mile away.
4. A pale green wild silk moth with a white hairy body is called a \_\_\_\_\_ moth.
7. The luna moth belongs to the family Saturniidae and the subfamily \_\_\_\_\_ or giant silkworm moths.
8. The moth will \_\_\_\_\_ an opening into its cocoon with hooks on its forewings.
9. When the luna moth comes out of its cocoon it cuts the silk and makes a hole with a sharp \_\_\_\_\_ or spur on each of its front wings.
10. Another name for antennae is \_\_\_\_\_.
12. To \_\_\_\_\_ is to emerge from a pupa.
13. A silk-bound shelter woven by a caterpillar to protect it while it is a pupa is called a \_\_\_\_\_.
14. A luna caterpillar does not eat \_\_\_\_\_ but it will drop down from its food plant and make its cocoon in the fallen leaves and dry \_\_\_\_\_ to overwinter.
17. The \_\_\_\_\_ is the larva stage of a moth.
21. A favorite food or host plant for the luna caterpillar is the paper or white \_\_\_\_\_.
23. \_\_\_\_\_ is the waste matter a caterpillar gives off after it eats.
24. After a moth ecloses from its cocoon it pumps \_\_\_\_\_ from its fat body into its wings so that they will expand and become stiff enough for it to fly.
25. Leaves from both the paper birch \_\_\_\_\_ and the walnut \_\_\_\_\_ can be food for luna caterpillars.
29. Two compound eyes and a pair of antennae are located on the \_\_\_\_\_ of the adult moth.
30. Some moths and butterflies feed through a \_\_\_\_\_ that is coiled up under its their heads but the luna moth does not have mouthparts when it is an adult.
32. A moth is an \_\_\_\_\_.
33. A luna moth has a complete \_\_\_\_\_ that includes a change from the egg, to a larva, to a pupa, and then to an adult.
34. Most moths fly at night or at dawn or \_\_\_\_\_.

### DOWN

1. A female luna moth will release a \_\_\_\_\_ or chemical that will attract male moths.
2. The female will \_\_\_\_\_ and wait for a male to come to it.
3. The hind wings of a luna moth have long sweeping \_\_\_\_\_ that break off easily when a predator tries to catch it. That allows the moth itself to get away.
4. A Swedish scientist named \_\_\_\_\_ gave the moth its name.
5. The \_\_\_\_\_ of a moth is the distance between the two front wings.
6. A Luna \_\_\_\_\_ belongs to a group of insects called Lepidoptera.
7. Moths spin \_\_\_\_\_ cocoons while butterflies emerge from a chrysalis.
11. Each kind of caterpillar needs a different kind of food or \_\_\_\_\_ plant on which to feed.
13. The caterpillar hatched from an \_\_\_\_\_ that its mother laid on a host plant.
15. When a caterpillar grows too big for its \_\_\_\_\_ it splits open and a caterpillar with a new larger one comes out.
16. One host plant for luna caterpillars is the \_\_\_\_\_ tree but most prefer white birch.
18. The moth is the \_\_\_\_\_ stage of the luna.
19. A \_\_\_\_\_ is the resting stage of metamorphosis in which the larval tissues are largely dissolved and reorganized to become an adult insect.
20. The life \_\_\_\_\_ of a luna moth includes the egg, larva or caterpillar, pupa and the adult moth.
22. When a caterpillar shed its skin it puts a small hook called a \_\_\_\_\_ into a silken pad and uses it pull or position itself so that it can shed.
23. When it is an adult, a luna moth will not \_\_\_\_\_. It will need to live on the energy it took in while it was a caterpillar.
24. When a caterpillar sheds its skin it may eat the old one. That skin has nutrients that it \_\_\_\_\_ on in an earlier instar.
26. The luna moth's soft \_\_\_\_\_ body is covered with hair-like scales.
27. Another name for a caterpillar is a \_\_\_\_\_.
28. The wings of a moth have \_\_\_\_\_ through which the body fluid was pumped.
31. An adult moth has two compound \_\_\_\_\_.

## ACROSS

- 1 prolegs
- 2 scent
- 4 Luna
- 7 saturniinae
- 8 cut
- 9 hook
- 10 feelers
- 12 eclose
- 13 cocoon
- 14 grass
- 17 caterpillar
- 21 birch
- 23 frass
- 24 fluid
- 25 tree
- 27 legs
- 29 head
- 30 tube
- 32 insect
- 33 metamorphosis
- 34 dusk

## DOWN

- 1 pheromone
- 2 sit
- 3 tails
- 4 Linnaeus
- 5 wingspan
- 6 moth
- 7 silken
- 11 host
- 13 egg
- 15 skin
- 16 walnut
- 18 adult
- 19 pupa
- 20 cycle
- 22 cremaster
- 23 feed
- 24 fed
- 26 white
- 27 larva
- 28 veins
- 31 eyes

