



Did you know there's a tiny creature called a pillbug that rolls up into a ball when it feels scared? These little guys, also known as roly-polies, are not actually bugs at all, but crustaceans, like crabs or lobsters! They have a hard, segmented exoskeleton and, when they curl up, they look a lot like tiny armadillos. Pillbugs have seven pairs of legs and two pairs of antennae, one of which is hard to see.



Speaking of those hard-to-see antennae, they help pillbugs explore their favorite spots, which are usually damp and dark. You might find them under logs, rocks, and in your garden, where they feel at home in the soil. The reason they love these places is because they breathe through gills, just like fish! So, they need to stay in moist environments to breathe properly.

Now, you're probably wondering what these little soil dwellers eat, right? Well, pillbugs are nature's little recyclers, they munch on decayed plants and animal material, helping to break it down into nutrients that can be used again by other plants. That's why they're so beneficial to have in your garden, they're helping to make the soil richer! But they need to watch out for predators like birds, frogs, and spiders who find them quite tasty.



From their defensive curling to their garden recycling, pillbugs are truly fascinating creatures, aren't they? Their life cycle is interesting too - they undergo a process called molting, where they shed their hard exoskeleton to grow, just like snakes do with their skin. Female pillbugs even carry their eggs, and later, their babies in a special pouch on their belly, just like kangaroos. So, next time you see a pillbug, remember they're not just bugs, they're hard-working, soil-enriching, miniature crustaceans with a lot of exciting stories to tell!

**Solve each problem.****Use the article to answer the question.**

- 1) Where do female pillbugs carry their eggs and babies?
A. in their legs
B. in their mouth
C. a pouch on their belly
D. on their back

- 2) Which best describes roly-polies?
A. Armadillos
B. Crustaceans
C. Arachnids
D. Insects

- 3) What do pillbugs use to explore?
A. wings
B. eyes
C. legs
D. antennae

- 4) What are some predators of pillbugs?
A. lizards, mice, and snakes
B. birds, frogs, and spiders
C. ants, bees, and wasps
D. rabbits, dogs, and cats

- 5) What is the process called when pillbugs shed their exoskeleton?
A. metamorphosis
B. skinning
C. shedding
D. molting

- 6) What do pillbugs breathe through?
A. nostrils
B. stoma
C. lungs
D. gills

- 7) What do pillbugs eat?
A. fruits and seeds
B. yellow flowers
C. small insects
D. decayed plants

- 8) How many pairs of legs do pillbugs have?
A. ten
B. seven
C. four
D. two

- 9) Why do pillbugs need to stay in moist environments?
A. Pillbugs need to stay in moist environments to breathe properly.
B. Pillbugs need to stay in moist environments to stay clean.
C. Pillbugs need to stay in moist environments to find food.
D. Pillbugs need to stay in moist environments to sleep.

- 10) Which place would you likely NOT find a pillbug living?
A. In a tree
B. In the soil
C. Under logs
D. Under rocks

- 11) What are pillbugs also known as?
A. roly-polies
B. beetles
C. millipedes
D. spiders

Determine if the statements is something the animal would say (W) or it it is not something the animal would say (N).

- 12) "I have one pair of antennae."
- 13) "I love being out under the bright sun all day!"



Pillbugs

Name: _____

- 14) "My protective shell is divided into segments. When I curl up, I look like a tiny armadillo!"
- 15) "My body is soft and squishy."
- 16) "I carry my babies like humans do."
- 17) "I live my life out in the open, not in the soil."
- 18) "You'll often find me under rocks and in the moist parts of gardens."
- 19) "I help gardeners by breaking down old plants and animals into nutrients for the soil. I'm like a tiny recycling machine!"
- 20) "Many think I'm a bug, but... surprise! I'm actually a relative of crabs and lobsters. You won't find me in the sea though!"
- 21) "We pillbugs have six legs."
- 22) "I love dry environments."
- 23) "We are harmful to gardens."
- 24) "With my seven pairs of legs and two pairs of antennae, I explore the complex world around me."
- 25) "I like to eat fresh, green plants."
- 26) "Moms of my kind carry eggs and even babies in a pouch on our bellies, much like kangaroos do. That's how we protect our young ones!"
- 27) "I essentially eat trash! I munch on decayed plants and animals, turning waste into treasure for the plants."
- 28) "I don't breathe like you do, I use gills! Just like fishes, I need a moist environment to breathe."
- 29) "I breathe through lungs like humans."
- 30) "When I get scared, I roll up into a tight ball. It's my way of hiding!"
- 31) "Want to know a cool fact? To grow bigger, I shed my hard shell. It's a process called molting, sorta like how snakes shed their skin."

Determine if the statement is a fact or opinion based on the information in the article.

- 32) Birds, frogs, and spiders are some predators that pillbugs need to avoid.
- 33) Roly-polies are the best animals to have in a garden.
- 34) Because pillbugs breathe through gills, they require damp environments to live.
- 35) Roly-polies aren't scary, they are cute.
- 36) Pillbugs can roll into a ball shape when they are afraid.
- 37) Pillbugs are disgusting the way they eat decaying material.
- 38) As pillbugs grow, they shed their old exoskeleton through a process called molting.
- 39) Pillbugs are actually a kind of crustacean, just like lobsters or crabs.
- 40) The name roly-polie is better than pillbug.
- 41) The way pillbugs roll up when they are scared is cool.

Determine if the statement is true or false.

- 42) Birds, frogs, and spiders eat pillbugs.
- 43) Pillbugs kept in captivity can grow up to a foot long.
- 44) Pillbugs break down decaying matter and enrich the soil.
- 45) Pillbugs are in the same insect family as crickets.
- 46) When pillbugs feel frightened, they roll into a ball.
- 47) Pillbugs stay in dry environments.
- 48) Female pillbugs lay eggs in fast moving streams so their babies are born somewhere with lots of water.
- 49) Pillbugs have six legs and two pairs of antennae.



Pillbugs

Name: _____

50) Pillbugs breathe through gills like fish.

51) Pillbugs prefer damp and dark places.

Determine which choice is the expanded form of the underlined contraction.

52) They're also known as roly-polies or doodlebugs.

- A. They were
- B. They are
- C. They have
- D. They do

53) It's cool how they can roll up into a ball when they feel threatened.

- A. It is
- B. It was
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54) Pillbugs don't have wings and cannot fly.

- A. does not
- B. cannot
- C. did not
- D. do not

55) Pillbugs can't sting or bite people.

- A. cannot
- B. can
- C. do not
- D. will not

56) They've got a special pouch to carry their eggs.

- A. They do
- B. They had
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Determine if the sentence is a declarative(d), exclamatory(e), interrogative(i) or imperative(m).

57) It's amazing how pillbugs roll into a tight ball when they feel threatened!

58) Watch out for the pillbugs crawling on the sidewalk!

59) How many stages are there in a pillbug's life cycle?

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Pillbugs

Name: _____

1. _____ 26. _____ 51. _____

2. _____ 27. _____ 52. _____

3. _____ 28. _____ 53. _____

4. _____ 29. _____ 54. _____

5. _____ 30. _____ 55. _____

6. _____ 31. _____ 56. _____

7. _____ 32. _____ 57. _____

8. _____ 33. _____ 58. _____

9. _____ 34. _____ 59. _____

10. _____ 35. _____ 60. _____

11. _____ 36. _____ 61. _____

12. _____ 37. _____ 62. _____

13. _____ 38. _____ 63. _____

14. _____ 39. _____ 64. _____

15. _____ 40. _____ 65. _____

16. _____ 41. _____ 66. _____

17. _____ 42. _____ 67. _____

18. _____ 43. _____ 68. _____

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| | | | | | |
|-----|--------------|-----|----------------|-----|----------------------|
| 1. | C | 26. | Would | 51. | true |
| 2. | B | 27. | Would | 52. | B |
| 3. | D | 28. | Would | 53. | A |
| 4. | B | 29. | Not | 54. | D |
| 5. | D | 30. | Would | 55. | A |
| 6. | D | 31. | Would | 56. | C |
| 7. | D | 32. | fact | 57. | exclamatory |
| 8. | B | 33. | opinion | 58. | imperative |
| 9. | A | 34. | fact | 59. | interrogative |
| 10. | A | 35. | opinion | 60. | exclamatory |
| 11. | A | 36. | fact | 61. | declarative |
| 12. | Not | 37. | opinion | 62. | interrogative |
| 13. | Not | 38. | fact | 63. | declarative |
| 14. | Would | 39. | fact | 64. | interrogative |
| 15. | Not | 40. | opinion | 65. | declarative |
| 16. | Not | 41. | opinion | 66. | imperative |
| 17. | Not | 42. | true | 67. | exclamatory |
| 18. | Would | 43. | false | 68. | imperative |
| 19. | Would | 44. | true | | |
| 20. | Would | 45. | false | | |
| 21. | Not | 46. | true | | |
| 22. | Not | 47. | false | | |
| 23. | Not | 48. | false | | |
| 24. | Would | 49. | false | | |
| 25. | Not | 50. | true | | |

**Solve each problem.****Use the article to answer the question.**

- 1) Where do female pillbugs carry their eggs and babies? (paragraph 4)
A. in their mouth
B. a pouch on their belly
C. D.
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- 12) "I have one pair of antennae." (paragraph 1)