

Danae Beauprez
Wormy Maze

Rats are used by scientists all of the time. So could a worm be used for science just like a rat and be able to learn how to go through a maze?

The reason I did this experiment was to see if worms could learn and remember how to navigate through a maze.

My hypothesis was that I didn't think I would be able to train a worm to go through a maze because worms aren't very smart and don't have a well-developed nervous system.

My procedure: Gather materials. Place five worms in different cups. Place one worm at the beginning of the maze and time it until it gets to the end or reaches the 30 minute mark. Keep track of the times it takes each one to reach the end. Repeat 3 times for each of the five worms.

My results are all of the worms times got faster but one. Worms A, B, D, and E got faster. Worm C got faster in the second trial, but slower in the third. 80% of the worms got faster in the 3 trials.

In conclusion, my hypothesis was incorrect. It was incorrect because 4 out of the 5 worms got faster. If the worms times got faster that concluded that the worms learned and remembered how to navigate through a maze.

If I were to do this project again, I would need to test more worms and complete more trials. I would also need a more controlled environment.