1. The researchers grew the c. elegans at one concentration of salt and then moved them to a different concentration within a gradient of the same salt.
2. They grew c. elegans in NaCl at a concentration of 50 mM and then placed them in NaCl at a concentration of 25 mM.
3. The researchers concluded that c. elegans will move up or down a chemical gradient toward previous growth conditions.

Sanders, & Cohen, N. (2012). Understanding plasticity of chemotaxis in C. elegans, a computational model of associative learning. BMC Neuroscience, 13(S1), P162–P162. https://doi.org/10.1186/1471-2202-13-S1-P162