

- researched pH issue to see if it was valid. Everyone tested pH differently. Came up with standard way to test pH. Try to see what influence pH has on tardigrades.

- Showed in research other places to find research by others

- found that pH of urban and rural communities are different (absence or present).

- showed conclusion that pH is not important to tardigrades.

- to prove not wrong, spent 3 years in Alaska to look at reasons. looked for differences in pH & composition.

Tripled number of known types of tardigrades. thought to be random as to whether tardigrades come back to life. Not tied to pH.

- reproduce through eggs

- FCC student found new species while in Alaska. Not easy to describe new species. Have to show differences in DNA

- some have male & female & some don't

- Tardigrades have no heart or lungs. they use water to flush systems.