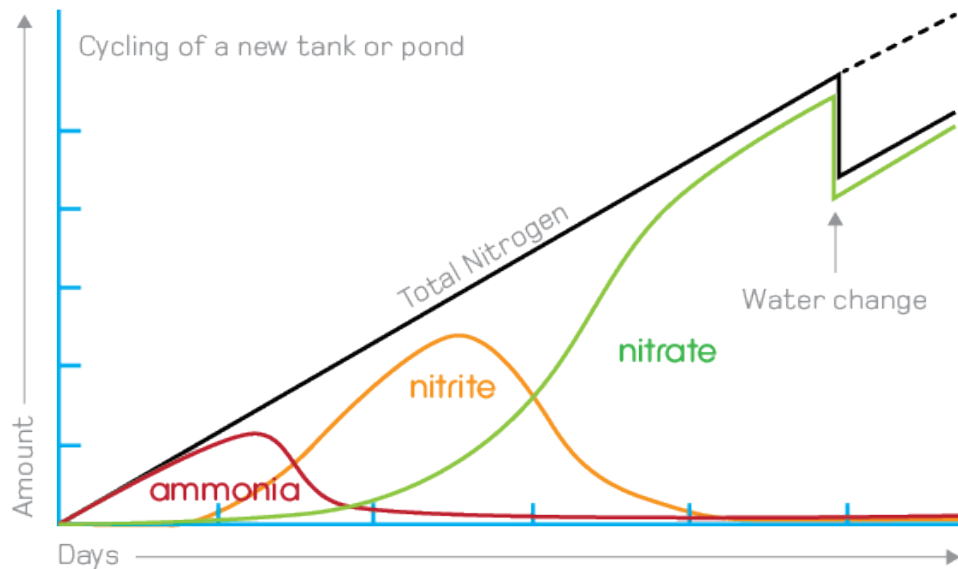


New tank syndrome happens as pollution (NH<sub>3</sub>) builds up in water caused by fish excreta and uneaten food because [beneficial bacteria](#) have not yet populated filters in sufficient volume to process the waste created.



Care should be taken to watch NH<sub>3</sub> levels during [cycling](#) the aquarium even if you are [fishless cycling](#).

If NH<sub>3</sub> levels rise to [unsafe](#) during cycling, a number of measures can be deployed to lower [pollution levels](#).

1ppm of ammonia or ammonium (ammonia) will make 2.7ppm of nitrite which will make 3.6ppm of nitrate

Please note however that NH<sub>3</sub> is 100x more toxic to fish than NO<sub>2</sub> (nitrite).