



Name(s)	Project Number
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Project Title	
What's In Your Water?	
Objections/Cools Abstract	
Objectives/Goals In this project I attempted to remove nitrites from water by desig to oxidize nitrites into nitrates. The purpose of this project was to used to remove nitrites from contaminated well water at treatment	to determine if biological filters could be
Methods/Materials Nitrite contamination in Southern California well water is comm by agricultural activities, namely by chicken and dairy farms. A obtaining samples from closed wells, I instead used feeder fish to concentration. I then designed a biological filter using ceramics could oxidize nitrite into nitrate.	s I did not have a likely chance of o simulate high levels of nitrite
Results Using nitrite test kits, I ran several simulations with the affected filter, although it took a couple of days, significantly reduced the not, however, reduce the nitrite contamination to .1ppm, which i	e amount of nitrites in each sample. It did
Conclusions/Discussion Biological filters might be used in combination with other nitrite plants, but cannot be used as a sole method for reducing nitrite le	
Summary Statement	
I attempted to remove nitrites from water by designing a biologic nitrites into nitrates in the hopes of salvaging polluted Southern	
Help Received	
My Dad helped me to select my materials and gave input on the primary design of my filter.	