

Name Hunter

Experiment: How is the circulation of a fish effected by toxins in its environment?

Hypothesis: it will die

Materials: a small glass dish, 2 pieces of cotton wrap, 1 or 2 gauze bandage, water, 2 goldfish, Pro Scope connected to a glass slide, beaker with aquarium water for fish, digital camera

Procedures:
1: Gently and loosely, wrap a goldfish in cotton or gauze wrap, leave the tail exposed
2: Place fish in glass dish and focus the Pro Scope on the tail of the fish, which should remain uncovered

~~Procedures:~~

3: Observe the many blood vessels and red corpuscle cells, moving toward and away from the tail
4: Describe and record the flow of cells observed in the healthy fish. Use the results section to record the data

Results:

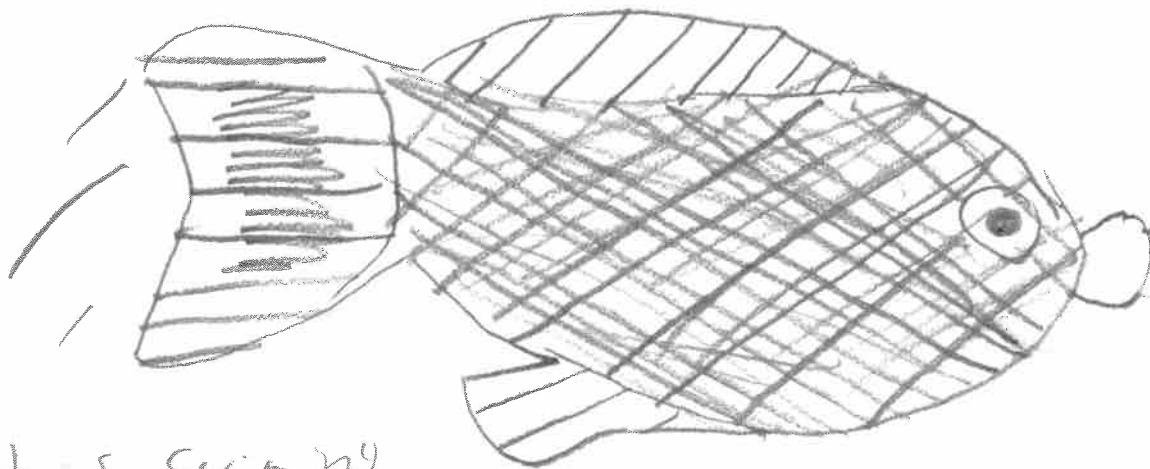
Goldfish in clean water ± swim rotation every 10 seconds

Nicotine 2 swim rotations every 5 seconds

Conclusions:

Nicotine increases the circulation because the fish swim faster and acting crazy

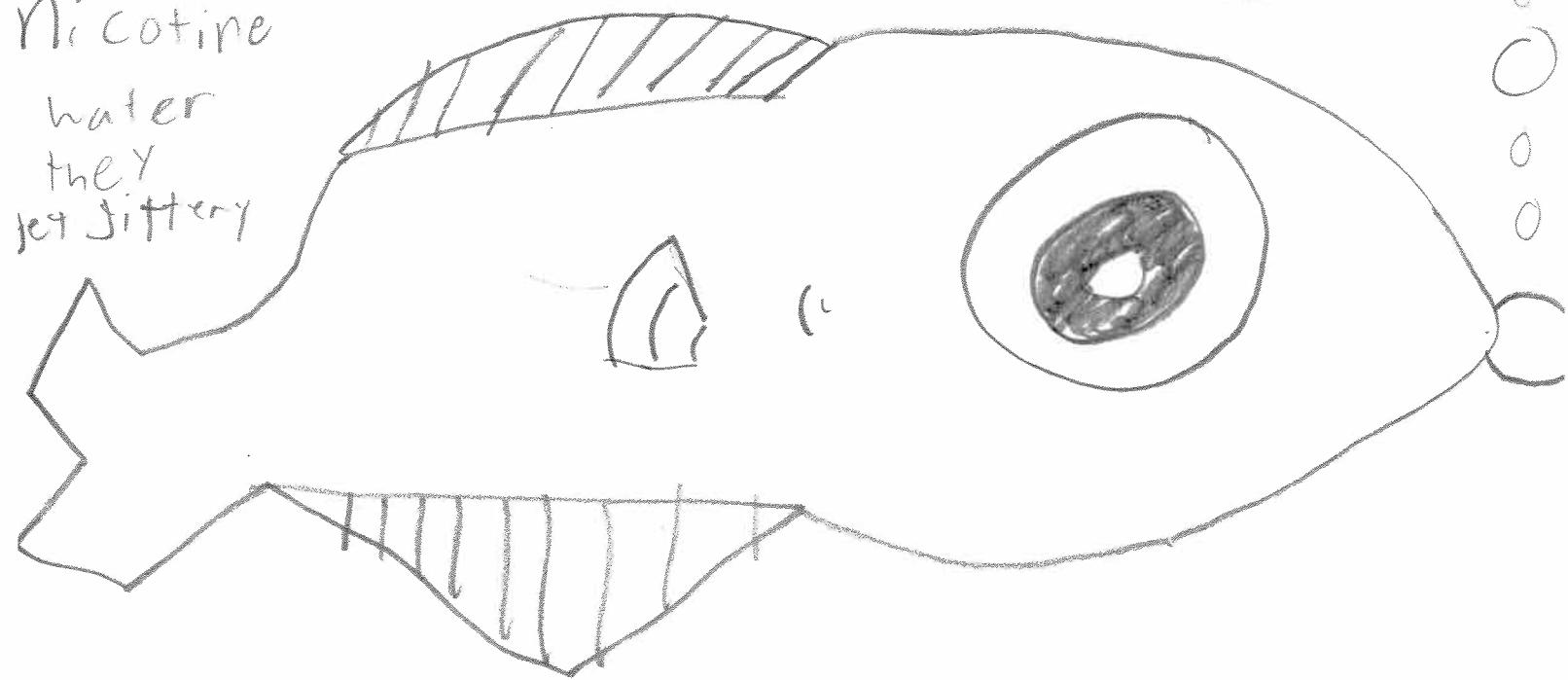
fish in clean water



It is swimming
calmly

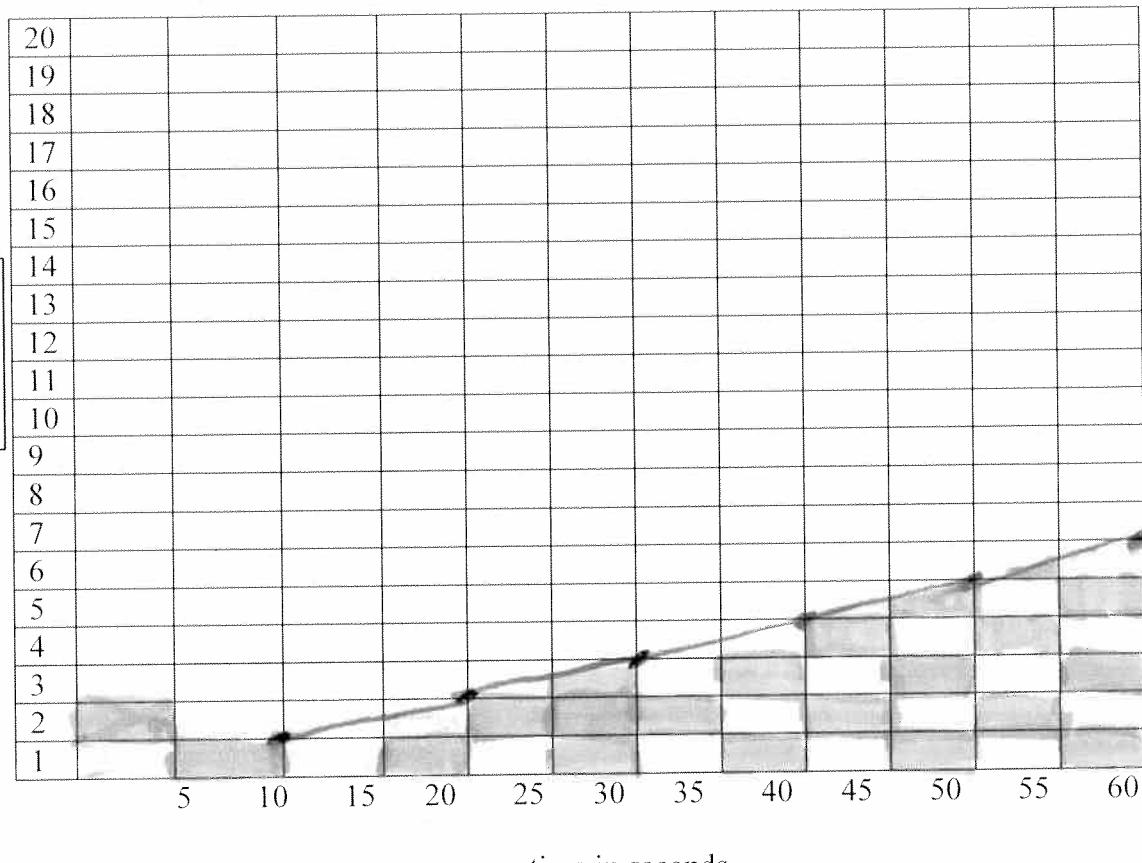
but in fish in dirty water (nicotine)

Nicotine
water
they
jerky



fish in clean water

Swim
Rotations



fish in Nicotine

Swim
Rotations

