

- c.) Plant leaves: the SA to V ratio also affects the leaves of the plant the bigger they are, the more light can be absorbed for photosynthesis and more waste disposal of oxygen.
- d.) Fish gills: Fish gills use SA to V ratio too, because if the SA to V ratio is big here then the fish can absorb the dissolved oxygen in the water allowing it to survive in their ecosystem.
- e.) Alveoli in human lungs: the SA to V ratio affects the alveoli in our lungs, because the larger the ratio the more oxygen can be absorbed which is then transported into the capillaries to allow for our red blood cells to carry oxygen throughout.

CONCLUSION:

Results: The surface area to volume ratio depends on almost every biotic creature and abiotic creature to provide living capabilities. Depending on the ratio of the two factors, you will be impacted in a negative or positive way.

Errors and Suggestions:

- Agar cube may have not been cut to size properly
- Since we poured HCl into the agar cube beakers one could've been hit by it first which could have altered the results
- The concentration of the HCl was a random amount and could have been a changing factor in the experiment