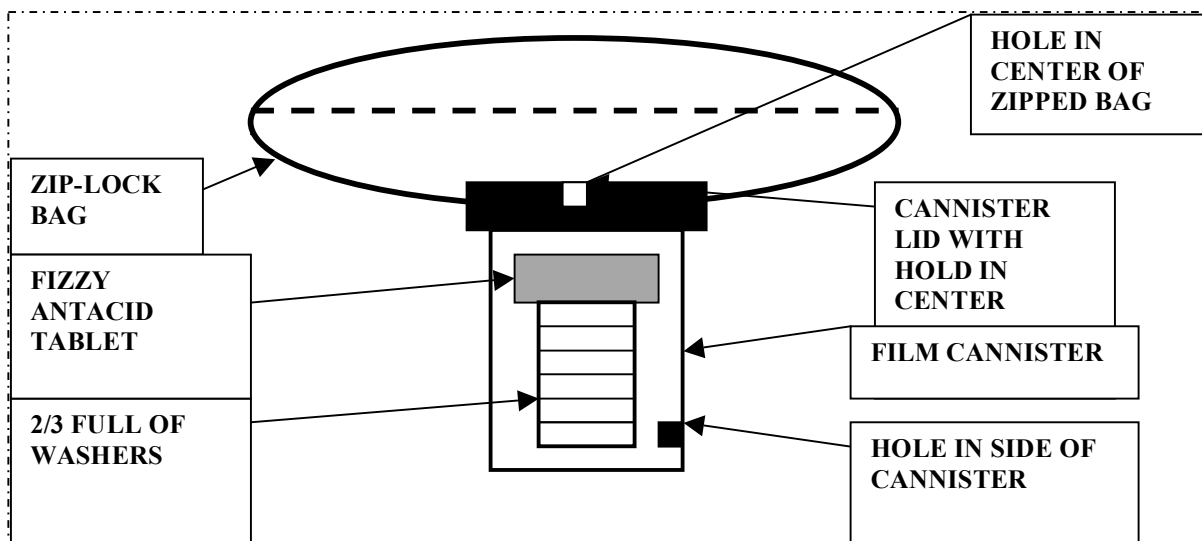


FISH GET GAS TOO

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Assembly notes:

1. Film canister lid goes inside zip lock bag
2. Line up hole in lid with hole in the bag
3. Place Fizzy Tab on top of washers
4. Snap lid down tight on canister making a seal with plastic bag
5. Zip lock plastic bag tightly
6. Squeeze all air out of bag
7. Hold underwater and release

Principles of Operation

1. Weight of washers will cause the bag to sink
2. Water will enter film canister under pressure, slowly rising to contact the Fizzy tablet. The flooding rate can be changed by the size of the holes.
3. Tablet fizzes when the water touches it making a gas. Gas floats to the top of the canister passing through the hole in the bag then through the hole in the lid to fill the bag.
4. Captured gas expands the bag until it begins to float and return to the surface.

Extensions:

1. chemistry
2. buoyancy
3. density
4. Pascal's law