

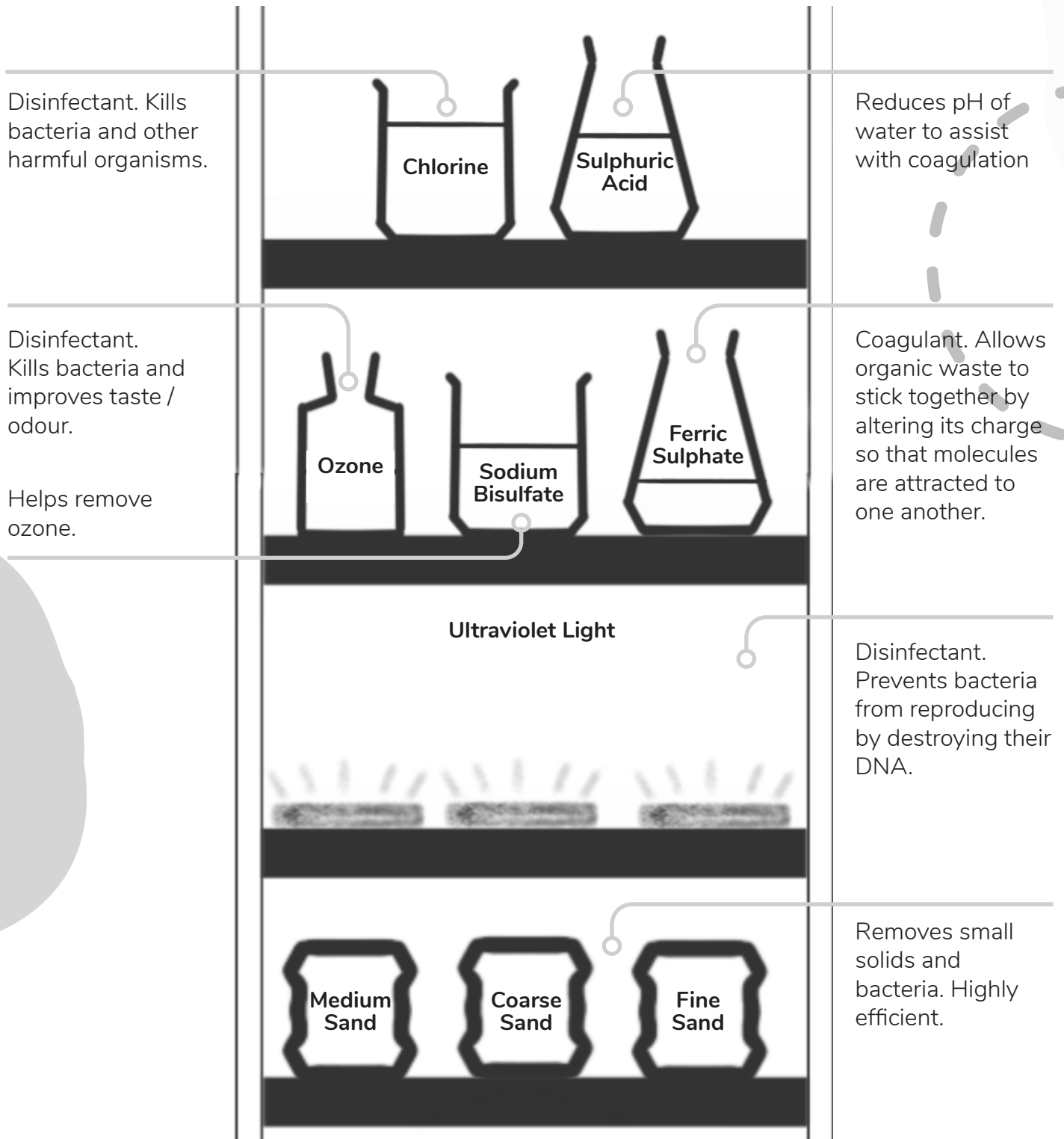
Date: _____

Name: _____

Water Treatment Chemist

This activity was created by Gagan.

Using the ingredients and tools below, draw out what each step will look like in the water treatment process in the tanks on the next page. Is the water clean? What remains in the water at each step? Are there any microorganisms? Dirt? What tools and chemicals are being used?



Date: _____

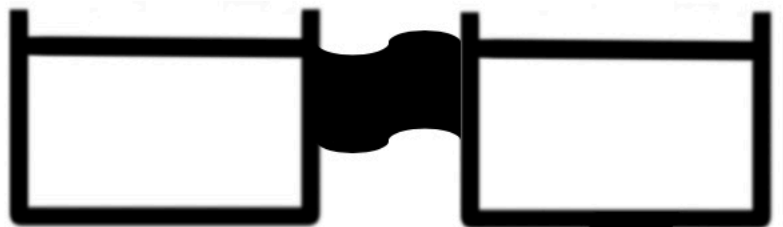
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1 COAGULATION Hint: Dirty water first enters this phase with algae, sand, bacteria, wood all present in the water.

2 SEDIMENTATION Hint: Air is pumped into the bottom of the tank causing debris to rise to the top and is removed.

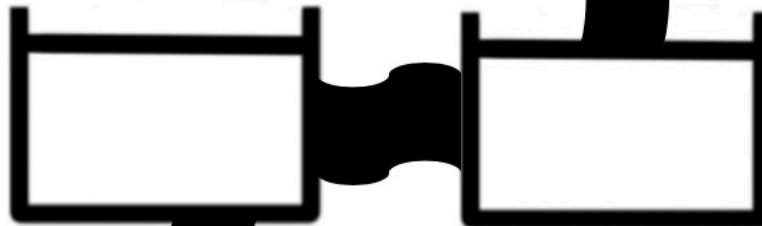
materials used

materials used



4 FILTRATION Hint: Removes small solids & bacteria.

materials used



3 OZONATION Hint: First step in disinfection.

materials used

5 DISINFECTION Hint: Use of chemicals and lights to remove and kill any remaining bacteria

materials used

