

TABLE S1. Approximate activity budget (compiled in 2015).

Materials and Supplies (per group)		
Distillation equipment	Hotplate	\$139.95 (www.hometrainingtools.com)
	Scissors jack, 8" x 8"	\$40.95 (www.hometrainingtools.com)
	Deluxe distillation apparatus kit: stand and clamp, round bottom boiling flask, Kieldahl bulb, Liebig condenser	\$79.95 (www.hometrainingtools.com)
	Condenser accessory kit: condenser hoses and connect for faucet	\$15.95 (www.hometrainingtools.com)
	1L beaker (x 2)	\$3.60 x 2, poly (www.hometrainingtools.com)
	Plastic box with ice to cool flask	\$2.59, Ziploc large round container (www.target.com)
Measurement equipment	Graduated cylinder 100 mL x 2	\$6.50 x 2, 100 mL (www.hometrainingtools.com)
	Graduated cylinder 50 mL x2	\$5.05 x 2, 100 mL (www.hometrainingtools.com)
	IR thermometer	\$34.95 (www.hometrainingtools.com)
Safety equipment	Safety glasses x 4	\$3.00 x 4 students (www.hometrainingtools.com)
	Latex or vinyl gloves*	\$0.75 x 4 students (www.hometrainingtools.com)
	Insulated gloves	\$7.95 x 2 students (www.hometrainingtools.com)
Other supplies	Squirt wash bottle, 250 mL, PE	\$3.60 (www.hometrainingtools.com)
	Distilled water*	\$0.88, 1 gallon (www.walmart.com)
	Scintillation vials*	\$1.00 x 4 vials, 15 mL (www.hometrainingtools.com)
	Labeling tape*	\$5.60 (www.carolina.com)
	Sharpie	\$1.99 (www.target.com)
Analytical Cost (per group)		
	$\delta^{18}\text{O}^*$	\$16 per sample x 4 samples, quoted from Cornell Isotope Laboratory (COL) www.cobsil.com for analysis on TCEA, for additional labs and prices see Supplementary Table S2
	Expedited sample shipping**	\$25 (depends on location)
Total Cost (estimate per student lab group)		
	Reusable items	\$379
	Consumable items	\$102
	Total Costs	\$481

* Consumable items, the rest of the equipment can be reused each class once the lab is set-up

** Expedited shipping does not include shipping costs for purchased equipment