

Use this page to determine which filter materials you can use without going over budget.

Extreme Environment	Budget
1. Eco-Friendly Home	\$125
2. Mars Habitat	\$250
3. Floating Research Lab	\$250
4. International Space Station	\$325

Materials List

Material	Cost	Number Needed	Total Cost
Rubber bands	\$15	_____	_____
Paper towel (half sheet)	\$20	_____	_____
Cheesecloth (1' x 1')	\$25	_____	_____
Cotton ball (1)	\$25	_____	_____
Sand (1/4 cup)	\$30	_____	_____
Charcoal (2 Tbsp)	\$50	_____	_____
Limestone (2 Tbsp)	\$75	_____	_____
Grand Total			_____



Did You Know?

Water filters that help kill germs were invented by NASA in the 1970s. Your dentist now uses that same technology so they don't spray bacteria-filled water into your mouth!

Activity 5

Improving a Process

Draw a detailed plan for the improvements your group would like to make to your water reuse process. Make sure to label your drawing and keep track of any new materials you use.



Test	Water Quality (After Filter 1)				Final Water Quality (After Filter 2)				Final Amount of Water
	Clarity	Color	pH	_____	Clarity	Color	pH	_____	
1				Optional				Optional	
2									

