

EXPERIMENT 19: Water Treatment Process

Challenge: Learn how water that falls from the sky and runs underground gets cleaned up and ready to drink!



WHAT YOU NEED:

- Access to internet:
<http://www.epa.gov/safewater/kids/watertreatmentplant/index.html>

STEP-BY-STEP:

- 2.** Follow a drop of water from the source through the treatment process. Stop at each treatment point to show where the water is along the treatment path.

- 1.** Go online to the website link provided.

- 3.** Click on each treatment point found on the image to reveal a little information about that point. Make sure you understand the processes of coagulation, sedimentation, filtration, disinfection, and storage.

QUESTIONS:



- Does water need to be as pure for you as it does for your lawn? Search online for information on primary, secondary and tertiary water treatment systems. Which method is safest for humans?
- Can you make other liquids safe enough to drink? How do astronauts get clean water up in space?