



**Your PLANETS
Engineering Notebook**
for:

**Water in Extreme
Environments:
Engineering
A Water Reuse Process**

Name: _____

Ready, S.E.T., Go!

How can we identify where there is water? How can we get it?

Find the Water

1. As a group, go to each of the stations.
2. Try to figure out what is in each container without opening it.
3. Record your ideas below.

Container	Is There Water Inside?	Is There Something Else Inside?
1		
2		
3		
4		
5		
6		

Collect the Water

Goal

- Collect water from the container and put it in the cup.

Requirements

- You cannot move the container or touch it directly.
- You can use only the materials provided.



Gather materials



**cup with
water sample**



**plastic
cup**



straws



**fuzzy
sticks**



aluminum



**index
cards**

**...or plastic wrap,
cotton balls, paper
clips**



**Transfer
water using
materials
ONLY!**



**You cannot move the container or
touch it directly.**

Plan

You can write or draw your ideas to collect water below.

Record

You can write or draw how your design worked below.

Improve

Write or draw ways to improve your technology below.



Our Engineering Design Process

