

- 1. Compare and contrast science and engineering.
- 2. Take your water still back to a lab station. Have Ms. Bynum check your design. Measure the amount of freshwater you extracted using a graduated cylinder and deliver to Mrs. Moberly or Ms. Bynum. On your warm-up sheet answer:
 - What worked about your design? What didn't?
 - How could you improve your design?



 Hopefully your design was effective! The winners will be announced at the end of class.









- Water scarcity is a real problem
- **Real engineers are working on** solutions... BUT REMEMBER: solutions are limited by society. Many places with water shortages have economic or geographic limitations.

<u>https://www.gatesnotes.com/Development/Omn</u> <u>iprocessor-From-Poop-to-Potable</u>

Identify the following slides as biotic or abiotic

















What are some characteristics that all living things share?

Brainstorm alone for 30 seconds

What are some characteristics that all living things share?

Discuss in groups

What are some characteristics that all living things share?

Characteristics of Life - Cells



Characteristics of Life - Metabolism



Characteristics of Life – Response to Stimuli



Characteristics of Life – Homeostasis



Characteristics of Life – Reproduction



Characteristics of Life – Change Over Time



Characteristics of Life – Genetic Material



Characteristics of Life – Evolution



Candle – Is it alive?



Life must do all of these things INDEPENDENTLY.

Tape the "Characteristics of Life" onto page 9.

• And the winner is...