

33 January 29, 2015

Warm-Up

Today you will need your notebook. Quiz Tomorrow (HW 1 & 2).

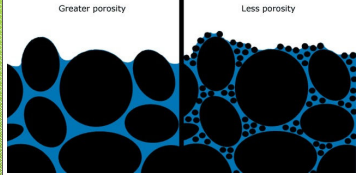
- Review: What is the difference between soil being porous and permeable?

34 January 29, 2015

Warm-Up

Today you will need your notebook. Quiz Tomorrow (HW 1 & 2).

- Review: What is the difference between soil being porous and permeable?



Porosity is the portion of empty space in soil.

Permeability is the ability of water to pass through it.

<http://techaive.mtu.edu/meec/module06/Permeability.htm>

No Cell Phone, Music Device, or Gaming Device use in this classroom



Water and You

January 29, 2015

• 36


How Much Water Do You Use?

- Using the Survey form, calculate how much water you use in a given week.
- Use your best estimates!

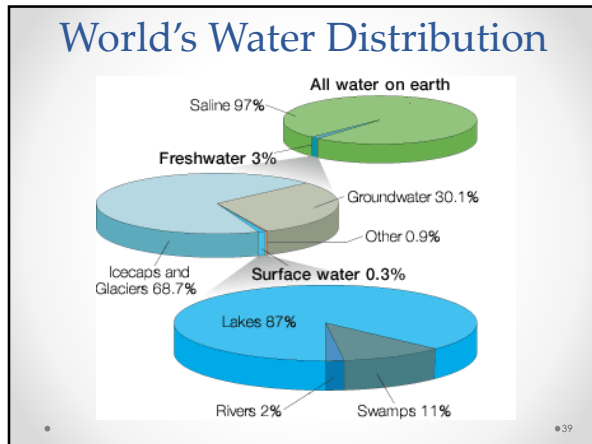
• 37

Wastewater: Where does it go?

- After you wash your hands?
- After you flush?
- <https://www.youtube.com/watch?v=oaXth88i7rk>



• 38



Access to Clean Water

EACH DAY, MORE THAN
840,000 PEOPLE

DIE EACH YEAR FROM A WATER RELATED DISEASE.

THAT IS MORE THAN THE ENTIRE CITY OF SAN FRANCISCO.

©40

Access to Clean Water

750 MILLION PEOPLE LACK ACCESS TO CLEAN WATER

THAT'S ALMOST 2 1/2 TIMES THE UNITED STATES POPULATION

©41

Access to Clean Water

3 THINGS MOST OF THE WORLD CAN'T DO.

- 1 TAKE A HOT SHOWER
- 2 GET CLEAN WATER FROM THE TAP
- 3 FLUSH AWAY YESTERDAY'S DINNER

More people have a mobile phone than a toilet.

©42

Water in the World

- Water.org
- Co-founded by Matt Damon
- <https://www.youtube.com/watch?v=KdwinEmUqFO>

©43

Conserving Water

- Communities across the country are starting to face challenges in maintaining healthy and affordable water supplies
- It takes large amounts of energy to produce and transport clean water and to process waste water.

©44

What are you going to do?

- For today's class activity please answer the thought questions on your packet.
- Turn in your packet when finished.

• 45

Quiz!

- **Quiz Tomorrow**
- Study homework pages from week 1 and week 2
- **Homework Week 2 due tomorrow**

• 46