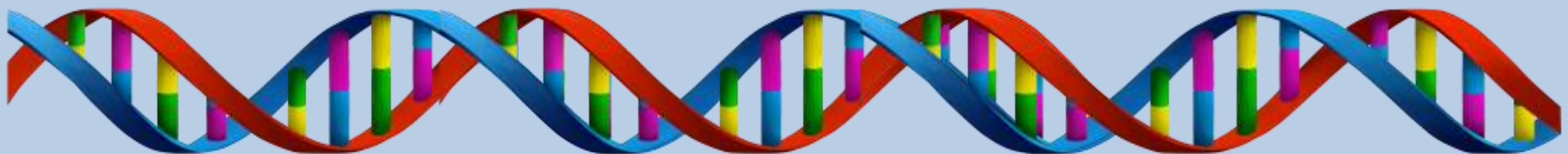


1. **Get out your warm-up sheet**
2. **Write your answer in the first Wednesday box**
3. **Why might the online textbook be useful?**
4. **What is the purpose of science?**
5. **BRAINSTORM: What are some current issues/crisis that the world is facing?**



Logistics

Wednesday Bell Schedule

2nd Block

10:10-11:30

1st Lunch 11:30-12:05

4th Block 11:35-12:55

4th Block 12:10-1:30

2nd Lunch 12:55-1:30

6th Block

1:35-2:55

iVision + Nest

2:55-3:45

Notebooks

Page	Title of Notebook Entry, <u>left</u> page	Check	Page	Title of Notebook Entry, <u>right</u> page	Check
0	Goal and Rules		1	Table of Contents	
2	Personal Survey		3	Syllabus	
4	Safety Map, Worksheet, and Rules		5	Semester 1 Warm- ups	
6	Textbook Scavenger Hunt				

Textbook

- **In biology you will have access to an online textbook**

Textbook

- **The online book is extremely useful for studying, PAY ATTENTION**

Textbook

- **Title page 6 of your notebook
“Textbook Scavenger Hunt”**
- **You will be writing your answers
to the scavenger hunt (1-19, no
question 3) on this page**
- **DO NOT GO ON TO PAGE 7**

Textbook

- **Complete the “Textbook Scavenger Hunt” with a partner**
 - **IF YOU DO NOT FINISH IN CLASS IT IS DUE FRIDAY 9/13**

Textbook

- **When you are dismissed;**
 - **Login to the computer**
 - **Click on the classlink shortcut on the desktop**
 - **USE YOUR SCHOOL LOGIN INFORMATION AS YOUR USERNAME AND PASSWORD**

Textbook

- **Complete scavenger hunt**
- **Optional:**
 - **Write your birthday on the calendar on the front desk**



INTERMISSION



Welcome to Unit 1

- **We can do this!**

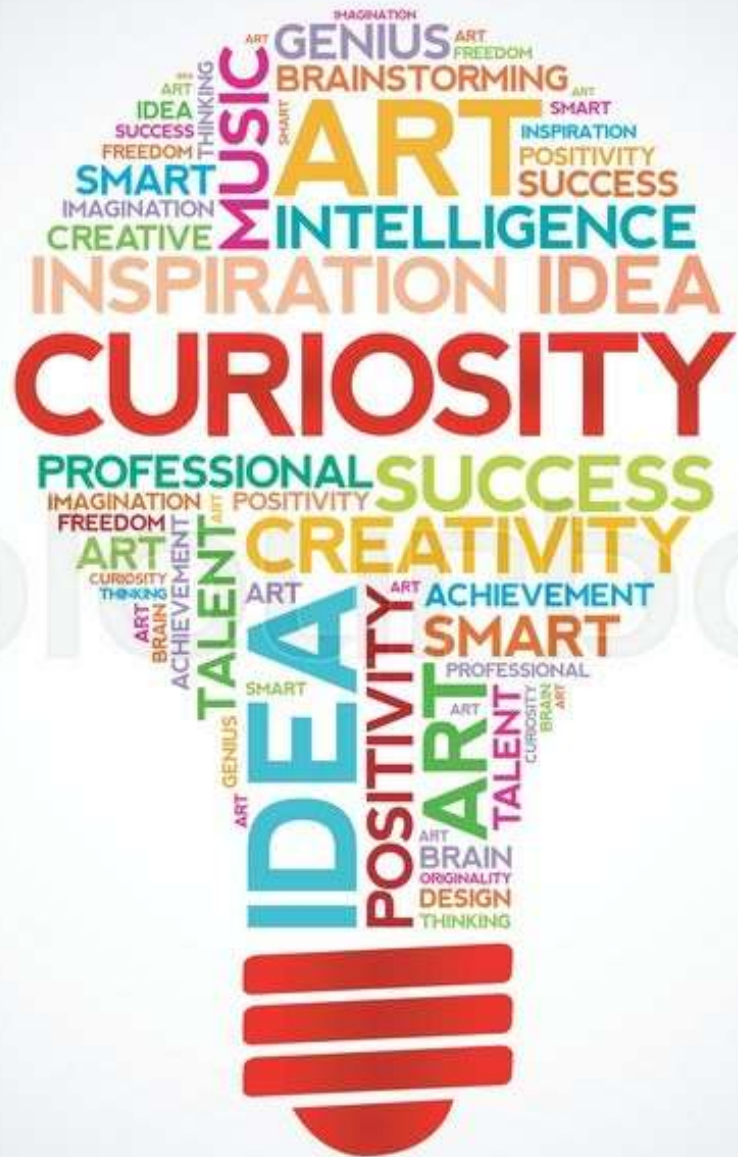
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2	Personal Survey		3	Syllabus	
4	Safety Map, Worksheet, and Rules		5	Semester 1 Warm-ups	
6	Textbook Scavenger Hunt		7	Unit 1 Cover Sheet	

What is the basis of science?

- **Brainstorm to yourself for 30 seconds**

What is the basis of science?

- **Discuss in your groups**





Curiosity



CURIOSITY

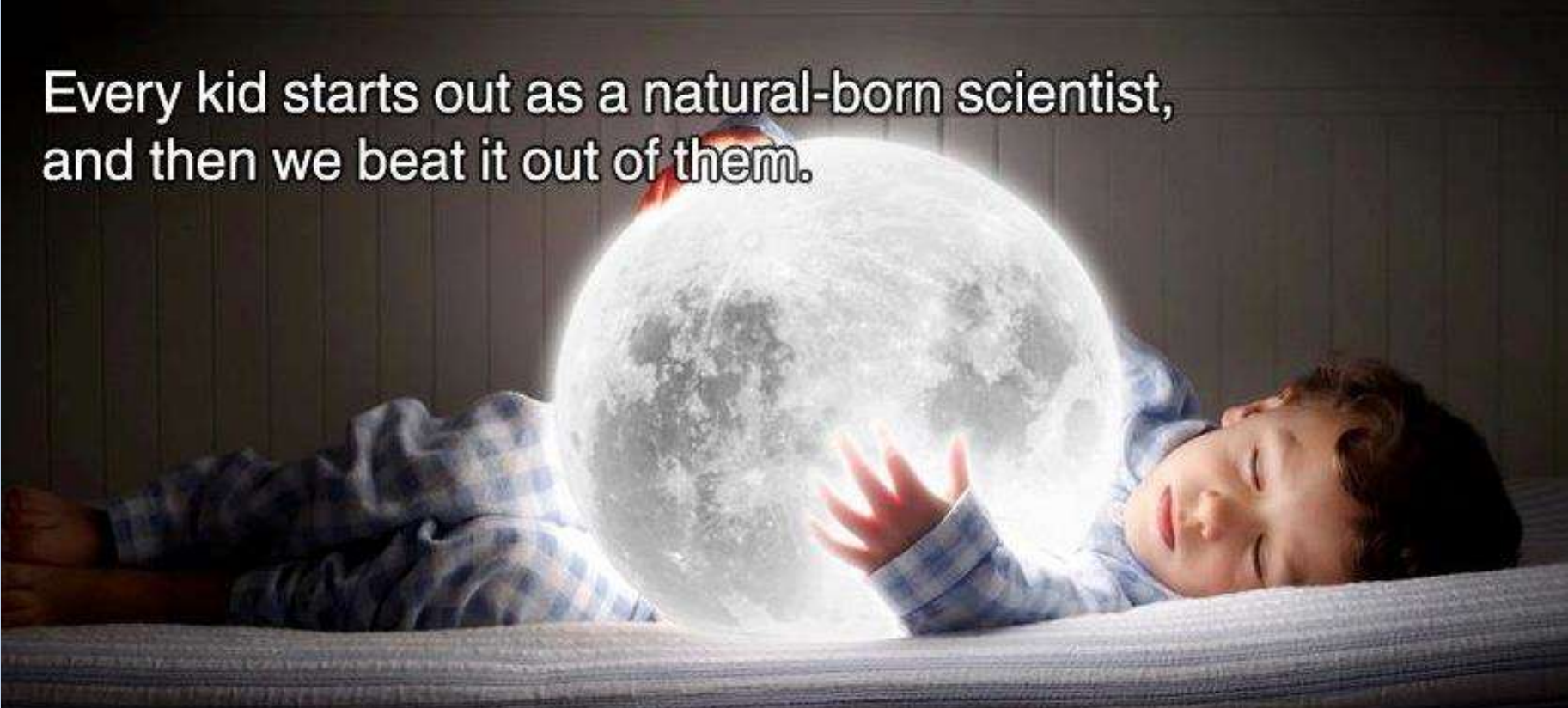


Millions saw the apple fall,
but Newton asked why.

~Bernard Baruch

Curiosity

Every kid starts out as a natural-born scientist,
and then we beat it out of them.

A young child with dark hair, wearing blue and white plaid pajamas, is lying on their side in a bed. They are holding a large, glowing, realistic-looking moon in their hands. The moon is the primary light source, casting a soft glow on the child's face and the bed. The background is a dark, wood-paneled wall.

A few trickle through the system with their wonder
and enthusiasm for science intact.

- Carl Sagan

What is the purpose of science?

- **Discuss in your groups**

What is the purpose of science?

What is the purpose of science?

- **The purpose of science is to provide testable explanations for events in the natural world, and then to use data to find patterns and make predictions**

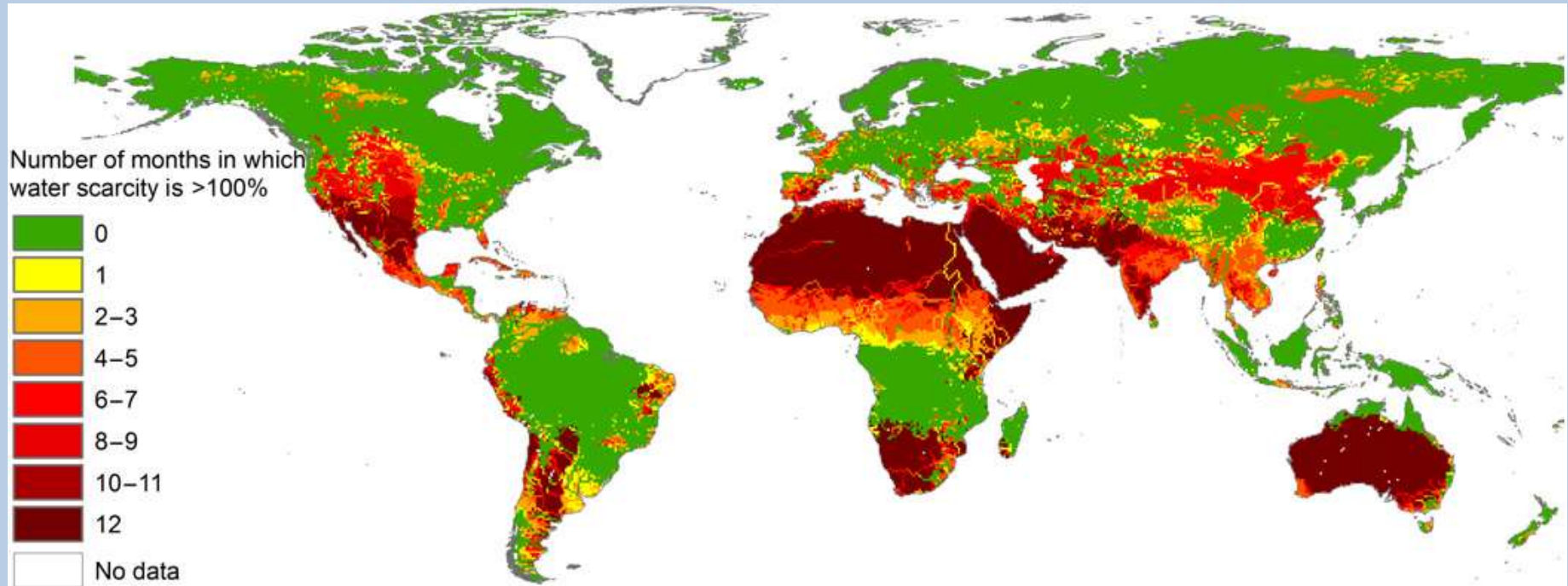
What do the following cities have in common?

- Cape Town
- Cairo
- Beijing
- Tokyo
- Moscow
- Miami
- Mexico City
- Istanbul
- Jakarta
- Bangalore
- São Paulo

Cape Town

- <https://news.nationalgeographic.com/2018/02/cape-town-running-out-of-water-drought-taps-shutoff-other-cities/>

Water Scarcity is a REAL issue that people all over the world are facing.



**25% of major cities in the world
face water stress.**



2 BILLION people end up drinking contaminated water every year.



The United Nations predicts that 50% of the world's population will be affected by water shortages by 2050.



What can you do personally to help with this issue?

- **Discuss in your groups**

**On a larger scale (being
CURIOUS, and thinking about
the purpose of science);
what can be done to solve this
problem ?**

Think:

- **What is the problem?**
- **What is the end goal?**
- **How do we make that happen?**

Solving Water Scarcity

- **The problem is that we need more fresh water. How can we make more fresh water?**

Solving Water Scarcity

- There are many great ideas to solve this problem, but every idea has constraints and limitations

[Water, Water Everywhere Video](#)
[Lesson 1.1 in Pearson](#)

Solving Water Scarcity

**In your notebook, on page 8,
answer the questions on the
following slides.**

Feel free to discuss in groups.

Solving Water Scarcity

1. Explain why desalination plants are not always a good solution.
2. Explain some challenges to using ground water as a viable drinking water solution.
3. The video mentions the possibility of using inexpensive every day materials to collect/make fresh water. What materials might be used?

Solving Water Scarcity

1 minute:

In your notebook (on page 8) describe possible solutions to water scarcity, and indicate if any seem more plausible than others

Science matters because it solves problems the world faces.



Curiosity

