

Earth Science Slides

NOV 14 - 18

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Nov 14 and 15

DO-NOW

- Put ALL your items on the shelves
- Find your seat :)

January 7, 2017: QFT in Science

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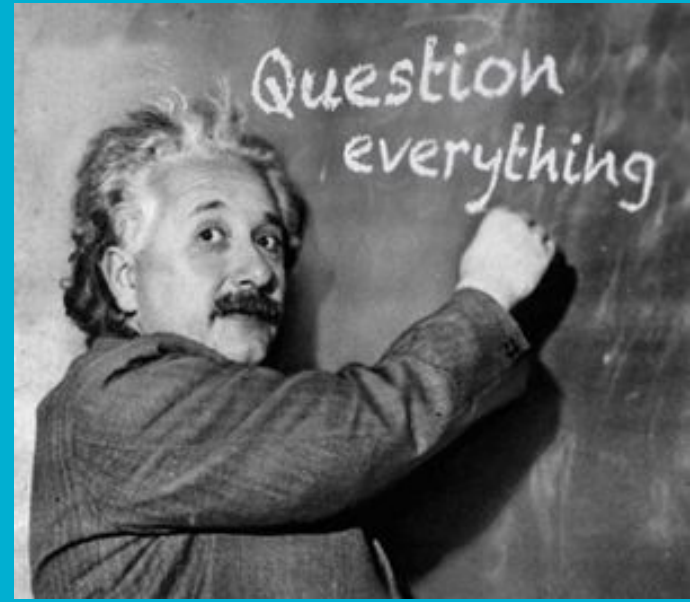
- Link to these slides: <http://tinyurl.com/zbcv76z>
- Process: Artifact, Questions, Action

RESOURCES

- October 26, 2016 [“Questions are the Engines of Intellect”](#)
[Library of Congress Webinar](#)
- Right [Question Institute](#)
- Experiencing [the QFT](#)

November 15, 2016

- Reminders for this week:
 - Tues. callback igneous
 - Wed. callback sedimentary
 - Thurs. callback metamorphic
 - Thurs. 2:45 pm Reperformance
- Questions Brainstorm Rules
- [Movie Clip](#)
- Questions Brainstorm
- Questions Activity



Happy belated birthday N :)

Questions Brainstorm - Rules

1. ALL questions are created equal; WRITE THEM ALL DOWN.
2. Write down the question EXACTLY as it's stated.
3. If it's a statement, turn it into a question.
4. Don't try to answer the questions.

Questions Activity

Label your questions:

(O)pen ended

(C)lose ended

You think it's (S)ocial Studies related

You think it's (E)arth Science related

References

The Impossible (1/10) Movie CLIP - The Tsunami (2012) HD. Dir. Juan Antonio Bayona. Perf.

Samuel Joslin, Ewan McGregor, Naomi Watts. *The Impossible*. N.p., 19 May 2016. Web. 7 Jan. 2017. <<https://www.youtube.com/watch?v=4d-EYIZAqXc>>.

The Right Question Institute: A Catalyst for Microdemocracy. *Experiencing the Question*

Formulation Technique™ (QFT™). N.p.: The Right Question Institute: A Catalyst for Microdemocracy., 2011. PDF. 7 Jan. 2017. <<http://www.ibmidadlantic.org/Experiencing-the-QFT.pdf>>.

The Right Question Institute: A Catalyst for Microdemocracy. "The Right Question Institute."

Right Question Institute. The Right Question Institute: A Catalyst for Microdemocracy., 2017. Web. 7 Jan. 2017. <<http://rightquestion.org/>>.

Nov 16 B4

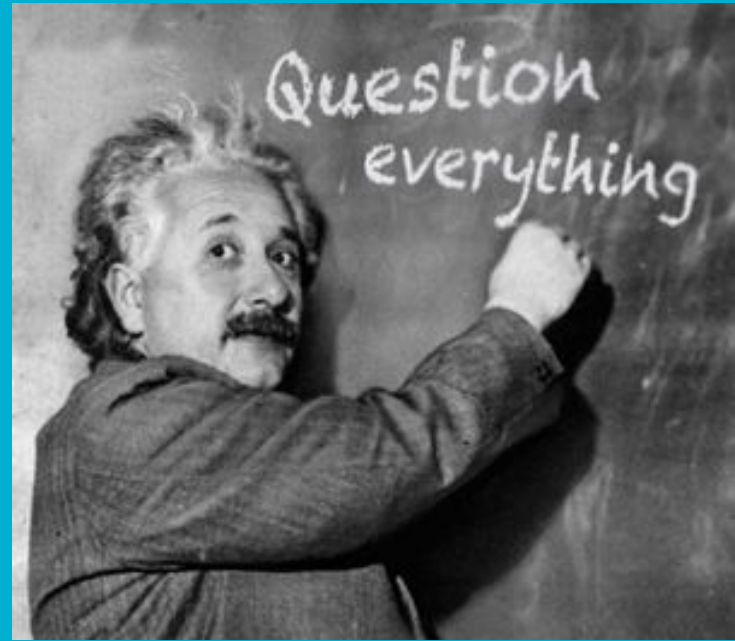
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DO-NOW

- Check folder
- **EVERYTHING** on shelves except:
pencil, notebook and unit 2 coversheet

November 16, 2016

- Reminders for this week:
 - ~~Tues. callback igneous~~
 - Wed. callback sedimentary
 - Thurs. callback metamorphic
 - Thurs. 2:45 pm Reperformance
- Coversheet: Read, K & W
- Top Question Research



Nov 17 B4

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DO-NOW

- Check folder
- **EVERYTHING** on shelves except:
assignment book, pencil, notebook

November 16, 2016

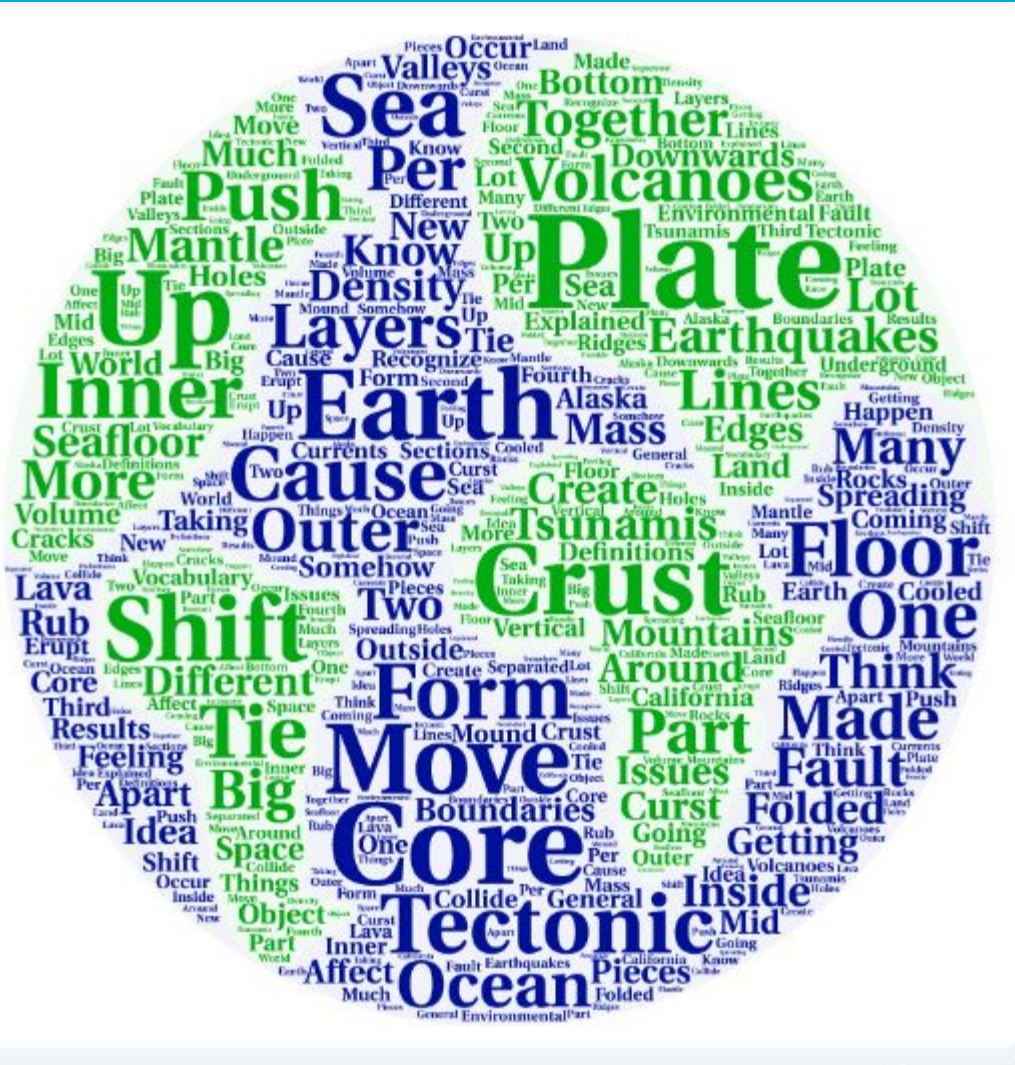
- Upcoming Reminders:
 - Tues. callback igneous
 - Wed. callback sedimentary
 - Thurs. callback metamorphic
 - Thurs. 2:45 pm Reperformance
 - Next Mon B4: Research Question Answer
- KNOW and WONDER
- Top Question Research

GEOLOGIST AT LUNCH



©1993 Tom Swanson

This is what
we THINK
we KNOW



Things we THINK we KNOW

- I think that mountains are formed by tectonic plates pushing together and getting folded up.
- Plate boundaries can shift and this causes environmental issues. Tsunamis tie in somehow with the plate boundaries.
- There are tectonic plates that are on the earth that move and shift. On the edges, there are more volcanoes and earthquakes because of the shifting.
- Density is mass per volume.
- Tectonic plates are big pieces that move underground.
- Seafloor spreading is when the ocean floor is moving apart
- Density is how much space an object is taking up
- California and Alaska have a lot of volcanoes because of the fault lines.
- Sea floor spreading can cause new land after a while.
- Tsunamis are caused by vertical shifts in the tectonic plates.
- Volcanoes are holes in the crust where cooled lava has created a mound. Earthquakes are when tectonic plates rub.
- Volcanoes erupt when the plate tectonics shift.

Things we WONDER

- Are there times when it's more likely for earthquakes to happen?
- How often do plates shift? Why do volcanoes erupt?
- What causes tsunamis? Do seasons affect plates?
- Can mountains become volcanoes?
- I want to know what causes the tectonic plates to move and how often they move. Also, what creates them in the first place? I also want to know a lot about what goes on under earth's surface and what effects happen on the surface.
- How long did it take to make Hawaii?
- I want to know more about the ocean and the mammals that live in the ocean and their lifestyle, and how they are affected by the geological features of the Earth.
- Are tectonic plates always moving?
- I want to learn about natural disasters such as earthquakes, tornadoes and tsunamis. I think that they are very interesting and I would like to know how they are made and what can happen after they are made. Same with mountains in Vermont because there are so many of them.
- I want to learn about all the vocab words because I'm not 100% on them.
- Why is seafloor spreading?

Nov 18; W5 & W8

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pencil, notebook and unit 2 coversheet

November 18, 2016

- Reperformance Updates
- Coversheet: Read, K & W
- Top Question Research

