

Set-Up!

Warm-Ups: Week 6 Page # ___

Mon. - 5/18

Tue. - 5/19 ****Computer Lab****

Wed. - 5/20

Thur. - 5/21

Fri. - 5/22 ****Notebook Check****

Set-up your warm-up page for the week!

← Please pick-up your weekly homework page!

May 18, 2015

Warm-Up

Today you will need your pencil and notebook.
Computer Lab TOMORROW!
 Notebook Check on Friday.

← Please pick-up your weekly homework page!

- **Countdown Review: At which type of plate boundary do rift valleys form?**

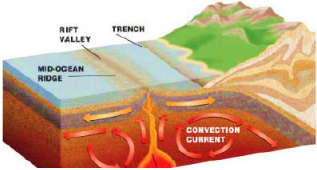
May 18, 2015

Warm-Up

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Divergent Boundaries

How do we measure energy?

- There is a unit for that...
- In fact there are several...
- Let's start with **Q**

5/8/2015

Homework

Q

- **Definition**
 - Quad. Also known as quadrillion British thermal units.
- **Example**
 - One quad is equivalent to lighting 1×10^{15} matches

Homework

1. Convert the quads into percentages. Then fill in the pie chart appropriately to display the distribution of energy production from renewable and nonrenewable sources in the United States.

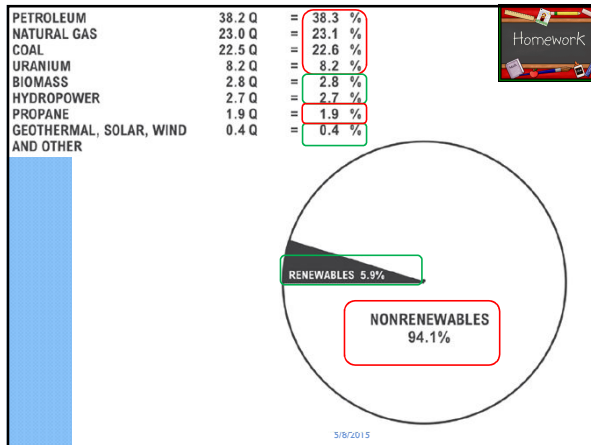
PETROLEUM	38.2 Q	=	_____ %
NATURAL GAS	23.0 Q	=	_____ %
COAL	22.5 Q	=	_____ %
URANIUM	8.2 Q	=	_____ %
BIOMASS	2.8 Q	=	_____ %
HYDROPOWER	2.7 Q	=	_____ %
PROPANE	1.9 Q	=	_____ %
GEOTHERMAL, SOLAR, WIND AND OTHER	0.4 Q	=	_____ %

Think on this...

- Americans constitute 5% of the world's population but consume 24% of the world's energy.
- On average, one American consumes as much energy as
 - 2 Japanese
 - 6 Mexicans
 - 13 Chinese
 - 31 Indians
 - 128 Bangladeshis
 - 307 Tanzanians
 - 370 Ethiopians

Think on this...

- The population is projected to increase by nearly 130 million people - the equivalent of adding another four states the size of California - by the year 2050.
- Forty percent of births are unintended.
- Americans throw out 200,000 tons of edible food daily.
- The average American generates 52 tons of garbage by age 75.
- The average individual daily consumption of water is 159 gallons, while more than half the world's population lives on 25 gallons.
- Every day an estimated nine square miles of rural land are lost to development.
- There are more shopping malls than high schools.



Activity

Energy in the World! Please turn-in

COMPUTER LAB TOMORROW!

5/8/2015

Countdown Folder!

8 Days to Go!

Today: Earthquakes & Volcanoes
Pages 21 - 22