

## Energy Efficiency and Conservation Reading Analysis Questions

Physical Science

Mr. Keeler

1. What is the difference between energy efficiency and energy conservation?
2. Using the table titled: ***Selected Countries and Energy Consumption, 2013***, compare the top three countries listed by population. Which country uses the most energy per capita (per person)?
3. How much does the typical US family spend each year on utility bills?
4. Briefly describe one change to your home suggested in the article that will reduce wasted energy and utility bills.
5. What is the difference between u-value and r-value?
6. What is the color and purpose of an 'EnergyGuide labels'?
7. When considering the purchase of an appliance... what is the 'second price tag' that a person must consider? Why should someone consider this when making a purchase?

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8. Rank the four types of lightbulbs from MOST efficient to LEAST efficient... List them in order here:
9. List the four ways given in the article used to cut your water heating bills.
10. What driving 'behaviors' that lower fuel economy surprised you the most? Briefly explain why this was a surprise to you.
11. Using the diagram titled: ***U.S. Energy Consumption by Sector, 2014***, identify and rank each sector in order from greatest consumption to least. Give the percentage associated with each sector in your list.
12. In your opinion, describe how 'efficiency' can lead to 'sustainability'.