Activity developed by John Zavalney, a Los Angeles Unified School District Science Expert based at the San Pedro Math, Science & Technology Center. John developed the questions based on *'The Green Blue Book: The Simple Water Savings Guide to Everything in Your Life'* by Thomas M. Kostigen.

1. How much water does it take to manufacture a 5-by-9 foot cotton and wool rug?

Your estimate _____ **Actual amount** _____ **% Difference** _____

2. How much water does it take to manufacture a leather sofa?

Your estimate _____ **Actual amount** _____ **% Difference** _____

3. How much water does it take to manufacture a four piece ceramic place setting?

Your estimate _____ **Actual amount** _____ **% Difference** _____

4. How much water does it take to grow an apple a day for a year? (365 apples)

Your estimate _____ **Actual amount** _____ **% Difference** _____

5. How much water does it take to grow an avocado?

Your estimate _____ **Actual amount** _____ **% Difference** _____

6. How much water does it take to produce a pound of black pepper?

Your estimate _____ **Actual amount** _____ **% Difference** _____

7. How much water does it take to grow a cup of blueberries?

Your estimate _____ **Actual amount** _____ **% Difference** _____

8. How much water does it take to grow and produce a gallon of orange juice?

Your estimate _____ **Actual amount** _____ **% Difference** _____

9. How much water does it take to grow and produce a 200gm bag of potato chips?

Your estimate _____ **Actual amount** _____ **% Difference** _____

10. How much water does it take to manufacture a pair of jeans?

Your estimate _____ **Actual amount** _____ **% Difference** _____

11. How much water does it take to manufacture a pair of running sneakers?

Your estimate _____ **Actual amount** _____ **% Difference** _____

12. How much water does it take manufacture a pair of leather shoes?

Your estimate _____ **Actual amount** _____ **% Difference** _____

13. How much water does it take to manufacture a queen size 400 thread count sheet?

Your estimate _____ **Actual amount** _____ **% Difference** _____

14. How much water does it take to manufacture A 2.4oz stick of deodorant?

Your estimate _____ **Actual amount** _____ **% Difference** _____

15. How much water does it take to manufacture a pound of jojoba(shampoo additive)?

Your estimate _____ Actual amount _____ % Difference _____

16. How much water does it take to grow a pound of broccoli?

Your estimate _____ Actual amount _____ % Difference _____

17. How much water does it take to grow a pound of corn?

Your estimate _____ Actual amount _____ % Difference _____

18. How much water does it take to grow a pound of beef?

Your estimate _____ Actual amount _____ % Difference _____

19. How much water does it take to make a A cheese burger(1/3 pound beef patty, I slice of cheese, slice of tomato, a lettuce leaf, and bun?

Your estimate _____ Actual amount _____ % Difference _____

20. How much water does it take to grow a pound of pork sausage?

Your estimate _____ Actual amount _____ % Difference _____

21. How much water does it take to produce a gallon of whole milk?

Your estimate _____ Actual amount _____ % Difference _____

22. How much water does it take to produce a pound of butter?

Your estimate _____ Actual amount _____ % Difference _____

23. How much water does it take to produce one large egg?

Your estimate _____ Actual amount _____ % Difference _____

24. How much water does it take to produce one pound of rice?

Your estimate _____ Actual amount _____ % Difference _____

25. How much water does it take to produce one 12oz aluminum can or 12oz glass bottle?

Your estimate _____ Actual amount _____ % Difference _____

26. How much water does it take to produce one 2 liter plastic bottle of soda? (Bottle plus soda)

Your estimate _____ Actual amount _____ % Difference _____

27. How much water does it take to produce one 1 liter plastic bottle?

Your estimate _____ Actual amount _____ % Difference _____

28. How much water does it take to produce one average color printer?

Your estimate _____ Actual amount _____ % Difference _____

29. How much water does it take to produce one disposable ink pen?

Your estimate _____ Actual amount _____ % Difference _____

30. How much water does it take to produce one average sized book:?

Your estimate _____ Actual amount _____ % Difference _____