

# WATER BODY WORKSHEET

In class today, you have seen how much water is on the planet and how it is distributed. One thing people don't think a lot about is that we depend on water every day. If you don't get enough (clean) water, you can get very sick. In this exercise, you will calculate how much water is in your body right now, as well as how much water you are likely to utilize in your body over your whole lifetime.

1. Figure out how many pounds of water are in your body. Approximately five sixths of your body weight is water. Use this equation:

$$\frac{5}{6} \times \text{_____ lbs.} = \text{_____ lbs.}$$

(your weight)

2. Now use this answer to find out how many gallons of water are in your body. (Note: 1gallon of water weighs 8.1 lbs.)

$$\text{_____ lbs.} / 8.1 = \text{_____ gallons}$$

(answer from part 1)

3. Now find out how much water your body needs during your life span. Each person's body needs to replace 1.5 million gallons of water throughout their life. To get a feel for this, a back-yard swimming pool holds about 20,000 gallons of water. How many swimming pools of water will you need in your life? Use this equation:

$$1,500,000 \text{ gallons} / 20,000 \text{ gallons} = \text{_____}$$

(swimming pools of water used in a lifetime)

Was there anything here that was surprising to you? Explain.

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