

Even More Metric System Practice

Find a bag of chips. How many milligrams of sodium per serving?

Convert this to ug

Convert this to kg

You weigh 60 000g. What is this in kilograms?

150 g = _____ ng

0.652g = _____ μ g

200 μ m = _____ nm

0.065mm = _____ Km

Covert 681mL into μ L

In 1962 Scientists from the University of Okalahoma, working with the CIA, injected a 3175kg elephant with 297mg of LSD. Their stated intent was to determine if LSD would induce "musth", a naturally occurring condition in which elephants become violent and uncontrollable. After a series of events, the elephant died. There is some controversy and confusion surrounding the cause of death. http://www.erowid.org/chemicals/lsd/lsd_history4.shtml

What is the weight of the elephant in grams?

What is the weight of the LSD administered in micrograms?

What is this dosage in μ g/g (micrograms of LSD per gram of elephant)?

For a 70kg human, a dose of 0.2mg LSD is enough to cause substantial clinical effects. What is this dosage in ug/g (micrograms of LSD per gram of human)?

How many more times the human dose did the elephant receive?

The International Space Station orbits at a height of 352km above the Earth. What is this in meters?

How many nl are in 0.02 μ L

Convert 681mL into Liters

A cell is 72 μ m across. What is this in mm?

Blood is pumped through the aorta at a speed of 30 cm/second. How many mm/second is this?