

SI Units Homework

- 1) Estimate the mass of your family pet (or sibling, lawnmower, etc. if you have no pet) in kg?

- 2) Convert your answer from #1 into grams. _____
- 3) If an oven has an internal temperature of 300 K, is it turned on or off? Explain your answer.

- 4) It takes less than 100 ms to blink your eyes. How long is 100 ms in seconds?

- 5) A sample of a metal has a density of 7.98 g/cm^3 . What is the volume of a 475 gram block of this metal?

- 6) Which is longer, a race track with a length of 450,000 mm or one that's 0.00045 km long? Explain your answer.