Quiz 1.3 – Heat, Temperature, and Dimensional Analysis

Name:			
Question 1			
Complete the following tab	e:		
Decimal Quantity	Scientific Notation	Prefix Notation	_
0.0045m			-
		36Mm	
	$5.60\times10^{-7}m$		-
Question 2 A cup of water is about 237	g. How much energy is req	uired to bring one cup	of water from $25.0^{\circ}C$ to $100.0^{\circ}C$?
Question 3			
An adult male should consu would the water temperatur		lay. If $2500Cal$ are ad	ded to $200.0lb$ of water, how much
Question 4			
Convert the following temp			
$25.0^{\circ}C$	376.5 K	$-12.3^{\circ}C$	184.7~K
Question 5	a		
Pure gold has a density of 1 How much should you expe	$9.3 \frac{9}{cm^3}$. A small sample ct this sample to weigh?	of pure gold measure	es $3.5 \ mm$ by $7.6 \ mm$ by $5.5 \ mm$.

Caged Bird

By Maya Angelou

A free bird leaps on the back of the wind and floats downstream till the current ends and dips his wing in the orange sun rays and dares to claim the sky.

But a bird that stalks down his narrow cage can seldom see through his bars of rage his wings are clipped and his feet are tied so he opens his throat to sing.

The caged bird sings with a fearful trill of things unknown but longed for still and his tune is heard on the distant hill for the caged bird sings of freedom.

The free bird thinks of another breeze and the trade winds soft through the sighing trees and the fat worms waiting on a dawn bright lawn and he names the sky his own

But a caged bird stands on the grave of dreams his shadow shouts on a nightmare scream his wings are clipped and his feet are tied so he opens his throat to sing.

The caged bird sings with a fearful trill of things unknown but longed for still and his tune is heard on the distant hill for the caged bird sings of freedom.