Dougherty Valley HS AP Che Atomic Structure Quick Check #1	emistry			S-37
Name:		Date:	Period:	Seat #:
Formulas and Constants				
$c = \lambda v$	$\upsilon = \frac{c}{\lambda}$	$\lambda = \frac{c}{\upsilon}$	E = hv	$E = \frac{hc}{\lambda}$
	c = 2.998 x 1	10^8 m/s h = 6.6	$26 \ge 10^{-34} \text{ J} \cdot \text{s}$	
List all electromagnet	c radiations from	n low energy to high. R O Y G B V		
We can see electroma Is 400 nm red light or				nm.
Consider this graphic			agnetic Radiation. Th	ne scale is in nm.
What is the wavelengt Would you be able to What is this waveleng	see this wave? _			
☐ Yellow light from a so color of yellow light in		it has a wavelength of	589 nm. Calculate the	e frequency of this
A radio station (KPCC How many Hz are in a What is the frequency What is the energy of	MHz? of this radio wa	ve in s ⁻¹ ?		