

Proper Problem Solving Technique

Write out, SPECIFICALLY, each of the PPST steps:

1. _____

2. _____

3. _____

4. _____

5. _____

Now, using the SAME EXACT STEPS as on the other side of this paper, complete each step below to solve the problem.

Green light has a frequency of 5.77×10^{14} Hertz. What is its wavelength in meters?

1.

2.

3.

4.

5.

The energy of an x-ray is 2.96×10^{19} J. Using Planck's constant (6.626×10^{-34} J • sec), calculate its frequency in Hertz.

1.

2.

3.

4.

5.