

Ch7/ PowerPoint Study- 1 Quantum Theory

Name:

Answer these questions as you are watching the videos. They are due in class.

These questions are not just for you to answer but also to prepare you for the exam.

Make sure you understand what you are writing and not just copy from the text book.

- 1) Arrange the following radiations in increasing wavelength.
Ultra-violet, radio, X-rays, visible

- 2) True or False: wavelength is directly proportional to energy.

- 3) True or False: frequency is directly proportional to energy.

- 4) Write in one sentence the contribution of the following scientists:
Max Planck:

Bohr:

Schrodinger:

Heisenberg:

- 5) Explain the following terms:
Quantum:

Wave function:

Ground state: