

PRESENTATION NOTE CATCHER – EXPLAINING QUANTUM PHENOMENON WAKELET:

[HTTP://K20.OU.EDU/QUANTUMWAKELET](http://k20.ou.edu/quantumwakelet)

Topic	Key idea or sketch	Notes
<p>Wave-Particle Duality Summarize why photons and electrons are considered to exhibit properties of both waves and particles and include specific examples.</p>		
<p>De Broglie Wavelength If all objects exhibit wavelike properties, why don't we observe the wave properties of macroscopic objects?</p>		
<p>Heisenberg Uncertainty Principle Explain how this principle emphasizes that photons and electrons do not fit into the wave or particle box.</p>		
<p>Fourier Transformation Describe how the Fourier Transformation explains why there fundamentally will be uncertainty rather than precise measurements of both position and momentum at the same time.</p>		