

1. Explain why the double-slit experiment provides evidence that light is a wave.
2. Explain why the photoelectric effect provides evidence that light is a stream of particles.
3. Does Heisenberg's Uncertainty Principle mean there is a fundamental limit to the precision with which we can measure position alone? (Answer YES/NO then explain).
4. Explain why it is possible to see more detail with an electron microscope than with an optical microscope that uses visible light.