

Name \_\_\_\_\_

*Print out and use this as a cover sheet for your hand-written answers.*

1. Explain why the double-slit experiment provides evidence that light is a wave.  
[5.1 Wave-Particle Duality of Light]
2. Explain why the photoelectric effect provides evidence that light is a stream of particles.  
[5.1 Wave-Particle Duality of Light]
3. Does Heisenberg's Uncertainty Principle mean there is an ultimate limit to the precision with which we can measure just the position of something? (Answer YES/NO then explain why).  
[5.2 Probability and Uncertainty]