

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]