

Name \_\_\_\_\_

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

1. How did De Broglie, Schrodinger and Born extend the idea of wave-particle duality of light to all particles of matter?  
[5.3 Matter Waves]
2. Use a rollercoaster analogy to explain the difference between the behaviour of a classical and quantum object in regard to (energy) barriers.  
[5.3 Matter Waves]
3. Explain why the standard (Copenhagen) interpretation of the wave-function calls into question the objective reality of what is measured before it is measured.  
[5.4 Quantum Measurements]