

THE MECHANICAL UNIVERSE
Video 50 - Particles and Waves

Name: _____
Class: _____

1. What common phenomenon caused physicists to rethink the structure of matter?
2. What determines the color at which any body will glow?
3. At what color do all bodies initially glow?
4. What did Planck believe determined the energy of light?
5. The explanation of what phenomenon won Einstein the Nobel Prize?
6. Particles of light are called _____.
7. What important question did De Broglie ask?
8. Write the equation for the Heisenberg Uncertainty Principle:
9. Explain how polarizing (polaroid) sunglasses illustrate quantum mechanics: