Name _____ **Date** _____
Teacher _____ **Period** _____

Physics - "What is Light?" Notes

Is light a wave or a particle?
To be accepted the theory has to fully explain all of the following properties of light.

	Definition	Which theory supports it?
Reflection		Wave / Particle
Refraction		Wave / Particle
Interference		Wave / Particle
Diffraction		Wave / Particle
Photo Electric Effect		Wave / Particle
Propagation		Wave / Particle

Is it a wave or a particle?_____
_____
_____

Define light:_____
_____
_____

Electromagnetic Waves
What is an E/M Wave? _____
_____
_____

Do they require a medium? _____
How do we know? _____

The Electromagnetic Spectrum

	Radio	Microwaves	Infrared	Visible	Ultraviolet	X-Rays	Gamma
Example							
Wavelength		→					
Frequency		→					
Energy		→					
Danger		→					

Light Colors

Color							
Frequency		→					