



THE
DUAL NATURE OF LIGHT

LIGHT IS A WAVE

LIGHT IS A PARTICLE

LIGHT BENDS LIKE A WAVE	LIGHT TRAVELS THROUGH SPACE! NO OTHER WAVE CAN DO THAT.
(DEFRACTS, REFRACTS)	WHEN YOU AMPLIFY LIGHT YOU DO NOT INCREASE AMPLITUDE OF WAVES, RATHER JUST THE NUMBER OF RAYS.
LIGHT BOUNCES LIKE A WAVE (REFLECTS)	LIGHT IS EMITTED FROM A PARTICLE (EXCITED ELECTRONS)
LIGHT HAS CONSTRUCTIVE AND DESTRUCTIVE INTERFERENCE LIKE A WAVE	ONLY CERTAIN WAVELENGTHS (OR FREQUENCIES) OF LIGHT CAN ACHIEVE THE PHOTOELECTRIC EFFECT. NO MATTER HOW HIGH THE INTENSITY IS.
POLARIZATION SHOWS LIGHT AS A WAVE	

INSTEAD OF BEING A TUG-OF-WAR, **BOTH** IDEAS ARE **TRUE** AT THE **SAME TIME!!**
 MODERN PHYSICISTS THINK THAT THE EXPERIMENT ITSELF ONLY ALLOWS YOU TO SEE ONE ASPECT OF LIGHT AT A TIME.

