Name: _____

Period:_____

HW 15:2 — Misc Light Topics
Mr. Murray, IPC
www.aisd.net/smurray

Assigned: Wedn., 5/12/04
Due: Fri., 5/14/04

What does "Laser" stand for?

Why are Incandescent bulbs less efficient than Fluorescent bulbs?

Which bulb would you use to warm an egg?

If you needed to bend light around a corner what kind of technology would you use? (Optical scope is not right)

How does a polarizer work?

What element is photoluminescent?

Questions on back

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HW 15:1

Mirrors change light through _____ .

Lenses change light through _____ .

If white light falls on a red cloth, why does it look red?: a) red is absorbed; b) red is reflected; c) white is reflected that looks red.

Draw a convex lens here:	Draw a concave lens here:

Find its period: _____

What harmonic is this? _____

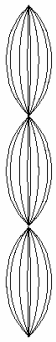
Mark the nodes and anti-nodes.

Find the fundamental frequency: _____

4th harmonic frequency: _____

Mark one wavelength

Can we hear this frequency? _____



30 Hz

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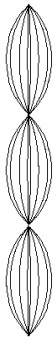

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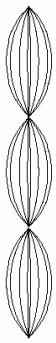

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