

THE MECHANICAL UNIVERSE

Video 40 - Optics

Name: _____

Class: _____

1. How does our body sense disturbance of the electromagnetic field?
2. What scientist first observed sunspots?
3. Who invented the compound microscope?
4. Define refraction:
5. What type of optical device can disperse light?
6. What does a wave's frequency times its wavelength equal?
7. What type of light does the ozone layer protect us from?
8. How did Young prove that light was a wave?
9. From what metal are mirrors made?
10. What type of telescope did Newton invent?
11. What did 19th century scientists call the medium through which they believed light traveled through space?