Unit 4 Light

Molecular Expression

> Molecular Expression  Photo Gallery

1. Museum of Microscopy

2. Light and Color  Reflection of Light  Refraction of Light

   Diffraction of Light  Polarization of Light  Prisms and Beamsplitters

3. Optics and You  Human Vision and Color Perception

4. Light and Color  Astigmatism  Interactive JAVA

5. Light and Optics Tutorials  Silicon Zoo

S Cool Revision

> Home  Biology  Chemistry  Physics

1. Measurements  Units and Prefixes  Summary

2. Mechanics  Vectors v. Scalars  Speed and Velocity  Circular Motion  Forces

   Newton’s Laws  Friction  Pressure  Momentum  Collisions

   Work and Energy

3. Light – Reflection Refraction and Polarization  Reflection  Refraction

   Diffraction  Polarization

Light and Optics

> Light and Optics  Optical Illusions

1. EM Spectrum Color and Waves

2. Lenses Light and Your Eyes

3. Reflection and Refraction
Optics for Kids

> Home Light Lenses Lasers

Color Science

> Home Color Matter Color Wheel Pro Rendering Spectra

Color Vision and Art

> Home

1. Light Color & Vision
2. Color Interaction
3. Luminance Differences
4. Peripheral Vision
5. Newton & Color Theory

Science of Light

> Home

1. Light in Color UV Color UV Flowers
2. Laws of Light Alien Eyes Fun House Mirrors Where’s the Player JAVA

Physics 20 Resources

> Home Site Map

1. Light Speed of Light Transmission of Light Pinhole Camera
2. Sources of Light and Illuminance
3. Reflection Law of Reflection Images in a Simple Periscope Curved Mirror Curved Mirror Applications
4. Refraction Refraction Diagram Fiber Optics Critical Angle and Total Reflection Applications
Imagers

>Home

Space Science

>Home  Contents

Advanced Light Source

>Advanced Light Source

NTNU JAVA  Virtual Physics Lab

>Home  Best Interactive Labs  Physics with Simulations

NASA Science

>Home  EM Spectrum Tour
1. Intro to Electromagnetic Spectrum  
   Anatomy of Electromagnetic Waves

2. From Energy to Images

3. Wave Behaviors

4. Radio Waves  
   Microwaves  
   Infrared Waves  
   Reflected Near-Infrared Waves

5. Visible Light  
   Ultraviolet Light from the Sun  
   X-Rays  
   Gamma Rays

6. Earth’s Radiation

Light Tour

>Home

1. Light Behaves as a Wave
2. Measure a Light Wavelength
3. Amplitude of a Wave
4. Light Wavelength Area