

TEST REVIEW GUIDE: Light, Color, Heat, and Plants

Test Format

You will be asked to respond to short answers questions with complete sentences. You may be asked to create a line graph from data presented in a test question. The questions will range in value from 2 points to 5points.

Resources to Study From

- Seed germination graph (4/14)
- Notes:
 - Sunlight & Heat + Graph (4/15)
 - Transmission, Absorption, & Reflection of Color (4/20)
 - Power of Light (4/21)
 - Soil Nutrient Testing (4/22)
- Student Record Book pages:
 - 3. Light, Filters, and Surfaces
 - 4. Light & Color
 - 5. Sunlight & the Spectrum
 - 6. Transmission, Reflection, and Absorption of Color
- Lab Summary Sheet
- Light & Color Quiz

Test Topics

- Transmit
- Reflect Absorb
- Spectrum
- ROYGBIV
- POWER OF LIGHT (add details)
- Energy
- Demonstration that light is energy
- How a filter interacts with white light/individual colors of light
- How a colored surface interacts with white light/individual colors of light
- White light, primary colors of light, and color mixing rules for light
- Primary colors of paint and color mixing rules for paint
- Diffraction grating + filters
- Importance of soil nitrogen, potassium, phosphorus, and pH to plants