

# Sunsets and Light Scattering Worksheet

## Observations

Draw and label the setup for this demonstration, including the control tank and the experimental aquarium after Pine-Sol was added. Describe the visibility and color or appearance of both the light beam and the transmitted light.

## Discussion Questions

1. What effect did adding Pine-Sol to the water have on the beam of light in the tank? Explain why.
  
  
  
  
  
  
  
  
  
  
2. Describe how the transmitted light projected on the poster board changed as Pine-Sol was added to the water. Explain why.
  
  
  
  
  
  
  
  
  
  
3. From this demonstration, what can you conclude about the source of colorful sunsets?