

## Color/Fire Demos Quiz

1. What type of reaction was seen in the luminol demonstration?
2. What two chemicals produced the blue color in the iodine clock reaction?
3. Why is the magic sand able stay dry after being placed in water?
4. What is the chemical formula for hydrogen peroxide? What two chemicals are formed from the decomposition of hydrogen peroxide?
5. What causes the “elephant toothpaste” to produce steam?
6. What caused the pickle to glow orange when it was electrocuted?
7. Why was it necessary to add alcohol to the salts in the colored flames demonstration?

8. What would happen if a candle was placed in a large jar of lycopodium powder? Why?
  
  
  
  
  
  
  
  
  
  
9. Why is a Tesla coil (40,000 volts of electricity) safe to touch?
  
  
  
  
  
  
  
  
  
  
10. What would happen if too much methanol was placed in the methanol cannon?
  
  
  
  
  
  
  
  
  
  
11. Why was the demonstrator not burned during the “methane bubbles” demonstration?
  
  
  
  
  
  
  
  
  
  
12. What happened when some oxygen was added to the hydrogen balloon? Why?