

## **Key Q's and Vocab: Lab Safety – GHS Pictograms and NFPA diagram**

These should be copied by hand into your CHLL

### **Vocab:**

1. GHS pictograms – pictures on chemical labels that will alert users to specific hazards
2. NFPA diagram – color-coded numbered diamond system that uses four quadrants to alert users of specific hazards or dangers
3. Flammability – how easily a substance will catch on fire or combust
4. Corrosive – reactive material that will “react away” substances and cause burns, tingling, and possibly sores to human flesh

### **Key Questions (answer these in a different color ink):**

1. You are to work with two different chemicals. You know the chemical 1 has an NFPA Red-3 rating and chemical 2 has a NFPA Red-1 rating.
  - a. Justify which is safe to work with under normal room temperature conditions (room temp = 72°F)
  - b. Would you use the chemical identified in question (a) if your experiment required heating with a Bunsen burner?
2. Which colors are associated with which hazard in the NFPA diagram.
3. Looking at the GHS pictogram (link is on website) list the 9 hazards that can be identified?
4. Can you identify areas of overlap between the two safety conventions?