

Cannon Fire - Worksheet



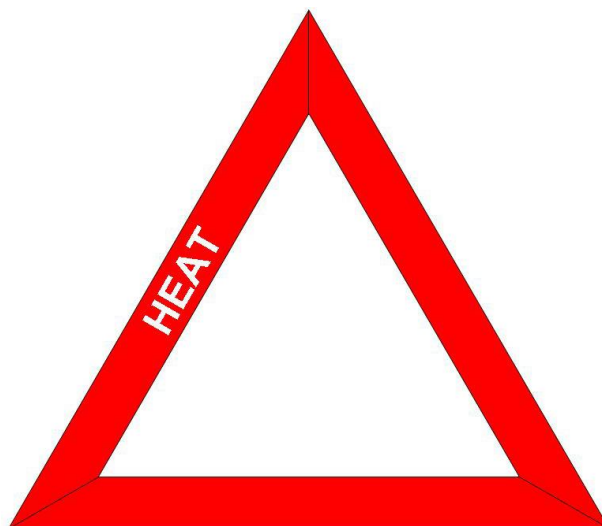
Name..... Class.....

1. The reaction you saw was potassium permanganate (KMnO_4) reacting with hydrogen peroxide (H_2O_2) to make oxygen (O_2). The reaction equation is shown below. Can you balance it?



KOH

2. The “Fire Triangle” is shown below. Please complete it with the three things you need for a fire to occur.



3. You get a better fire here by adding potassium permanganate. Which of the three items on the fire triangle are you increasing?
4. You can extinguish a fire by removing any one of the three sides of the fire triangle. If you use a carbon dioxide (CO_2) fire extinguisher, which side of the fire triangle are you removing?
5. When the potassium permanganate is added you see a violet flame due to the potassium ions. Name one other metal and the flame colour it gives.

Metal.....Colour.....

