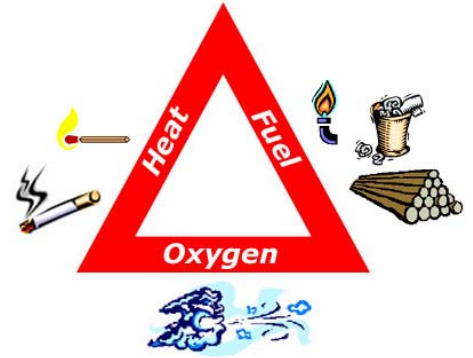




# I Canby Fire Safe

The fire triangle is a simple model used to help understanding the ingredients necessary for most fires. The “triangle” illustrates the rule that in order to ignite and burn, a fire requires three elements — heat, fuel, and oxygen. The fire is prevented or extinguished by “removing” any one of them.



When a fire runs out of *fuel* it will stop. Fuel can be removed naturally, as where the fire has consumed all the burnable fuel, or manually by removing the fuel from the fire.

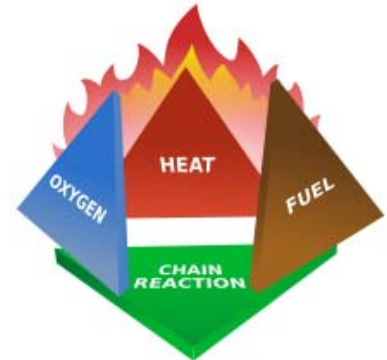
Without sufficient *heat*, a fire cannot begin, and it cannot continue. Heat can be removed by dousing some types of fire with water; the water turns to steam, taking the heat with it.

*Oxygen* may be removed from a fire by smothering it with an aqueous foam, or some inert gas dry chemicals, or enclosing it where the fire will quickly use up all of the available oxygen.

The fire tetrahedron is a triangular pyramid having four sides. The fire tetrahedron adds a fourth element necessary for fire to exist, a Chemical Chain reaction.

Name three **FUEL** sources found in your home:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



Name three **HEAT** sources found in your home:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

What is the most likely source of **OXYGEN**:

1. \_\_\_\_\_

Name: _____
Classroom: _____
Family initial: _____