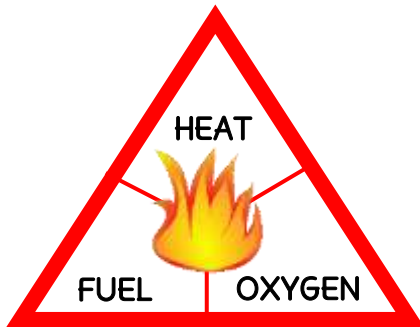




Fire triangle quiz

The fire triangle is an explanation of the three components needed for a fire to burn. All three must be present for a fire to burn, so if you take one away the fire will die down or go out.

What are the three components needed for fire to burn?



HEAT: from friction or sunlight for example
FUEL: wood, paper, material, anything that will burn, and fire isn't fussy!
OXYGEN: found in the air, so readily available, but it can be stopped by covering or sealing a fire

Have a go at these questions about the fire triangle and how it helps us with fires in everyday life

If a firefighter sprays a fire with cold water, which of the three elements is taken away?

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Sometimes if the fire is small and limited to just one pot or object, a firefighter will use a fire blanket to extinguish the fire. They carefully cover the entire fire with the fire blanket. Why will this make the fire go out?

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In a forest fire, which of the three elements do the trees represent?

.....

How does clearing the forest of dry leaves / dead trees help reduce the risk of fire?

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Imagine you have a lit candle on the windowsill, next to the curtain, with the window slightly open. Is there a risk of a fire? Can you say why / why not?

.....

Make your own fire triangle with specific examples of the three elements, like this example:

HEAT: sunlight

OXYGEN: air

FUEL: grass

HEAT

OXYGEN

FUEL

