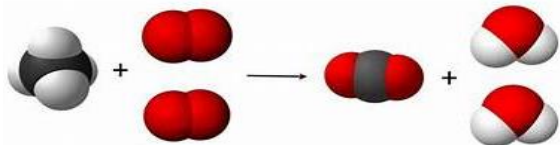


Science: Combustion Knowledge Organiser

Year 8: TERM 1 Date : _____

COMBUSTION is another word for burning



METHANE + OXYGEN → CARBON + WATER
(fuel) DIOXIDE

FIRE TRIANGLE



ACID RAIN



Rain with a **low pH** formed when **SULPHUR DIOXIDE** or **NITROGEN OXIDES** mix with rain. It causes damage to land, lakes and buildings.

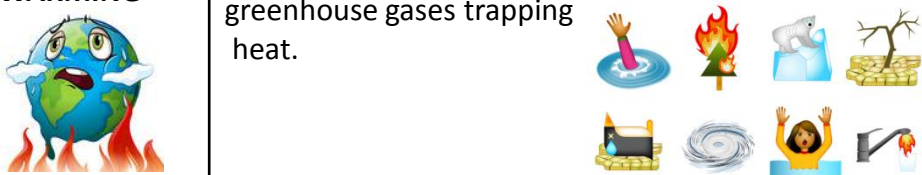


EXOTHERMIC

A reaction which **RELEASES** energy



KEYWORDS:

FUEL	A chemical that is a store of energy
FOSSIL FUEL	A fuel that was formed by the decay of animal and plant matter trapped underground for millions of years
LIMEWATER	This detects carbon dioxide , it goes cloudy when carbon dioxide is passed through it
INCOMPLETE COMBUSTION	Burning that occurs when there isn't enough oxygen Fuel + limited oxygen → carbon monoxide + carbon dioxide + water
CARBON MONOXIDE	A POISONOUS gas given off during incomplete combustion
GLOBAL WARMING	The gradual increase in temperature of the Earth's atmosphere caused by carbon dioxide and other greenhouse gases trapping heat. 
NITROGEN OXIDES	A pollutant produced by engines when nitrogen in air reacts with oxygen in an engine. It adds to acid rain.
SULFUR DIOXIDE	The main cause of acid rain, it forms when sulphur impurities in fossil fuels are burned
CALCIUM CARBONATE	The chemical found in chalk and limestone . It reacts with acid rain so buildings made of limestone become damaged.
HYDROGEN FUEL CELL	A possible alternative to using fossil fuels. Fuel cells use hydrogen to release energy and can be used to run cars. The only product is water.