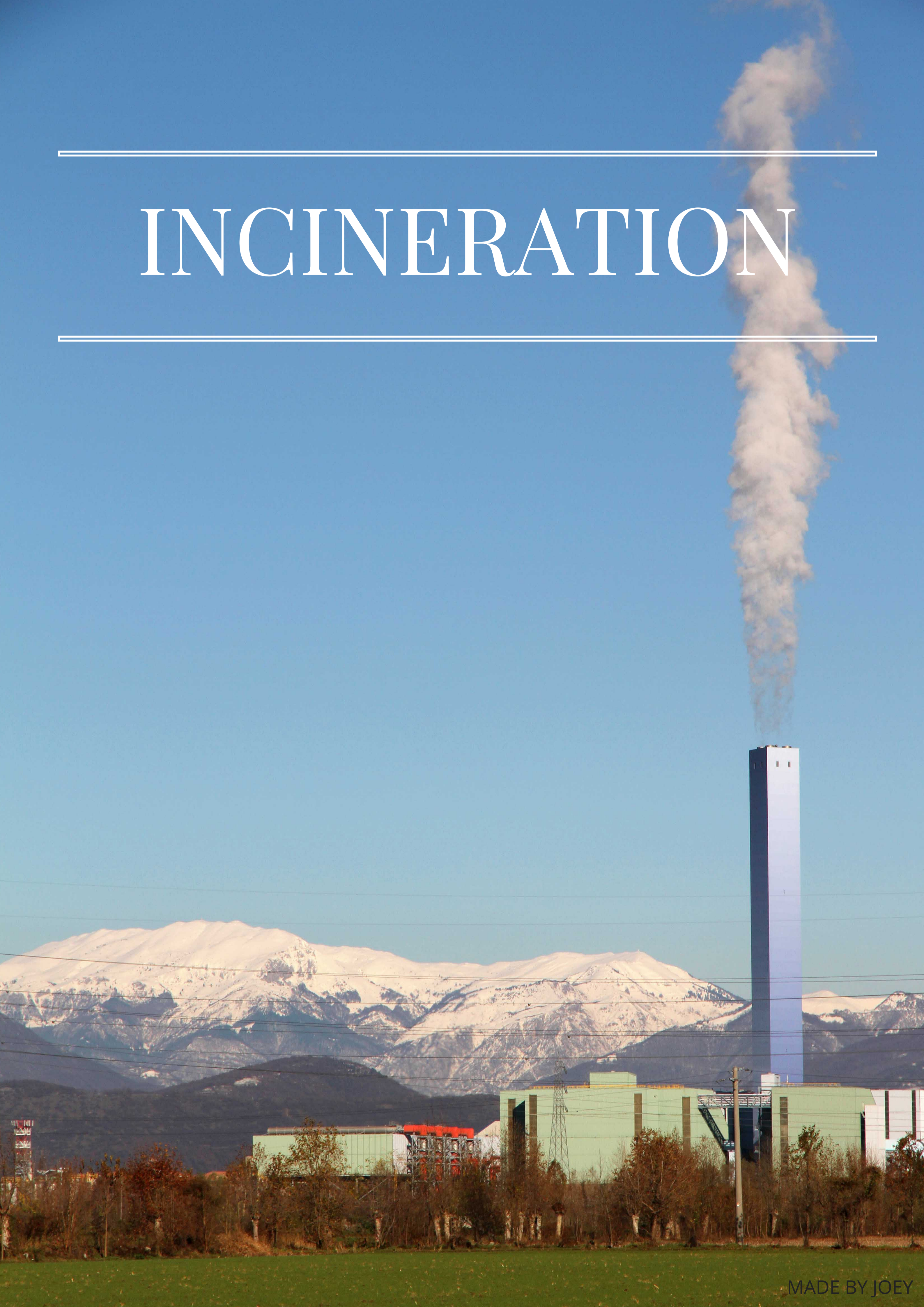

INCINERATION



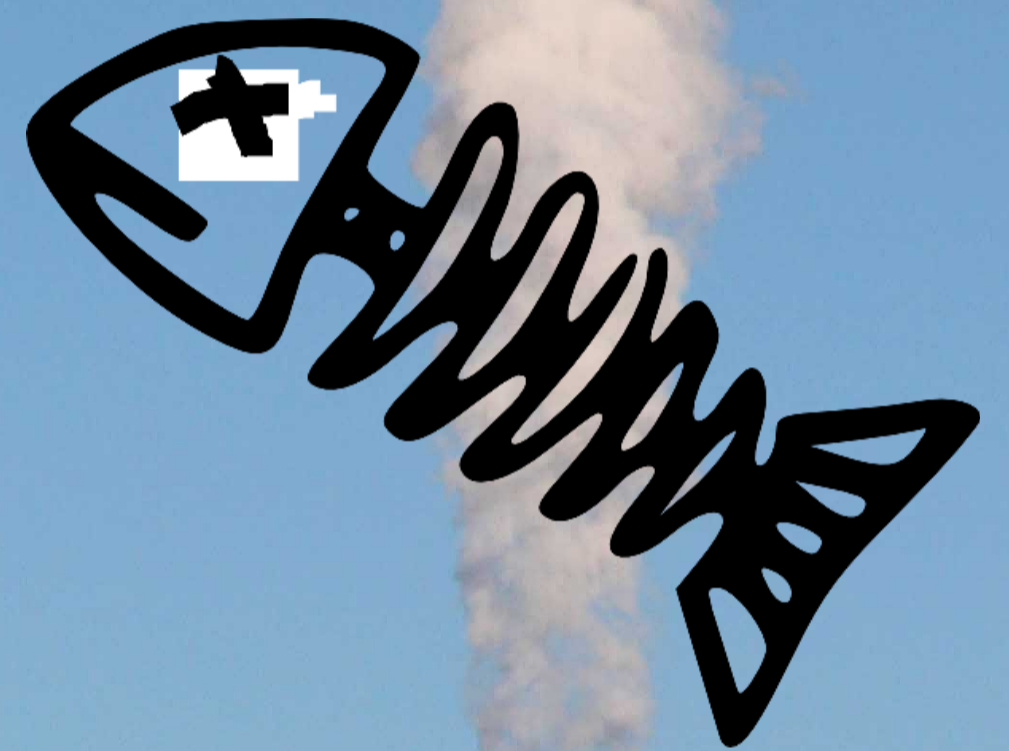
BURNING TRASH

BURNING TRASH IS ALSO CALLED 'INCINERATION'. THE TEMPERATURE IN INCINERATION FURNACES IS GENERALLY HIGHER THAN 850C. AFTER BURNING, GARBAGE IS REDUCED TO 50-80% ITS ORIGINAL SIZE. CURRENTLY, 40% OF THE WORLD'S GARBAGE IS INCINERATED. MOST GARBAGE GOES INTO LANDFILLS, BUT INCINERATION WILL SOON EXCEED IT.



HOW DOES INCINERATION AFFECT ANIMALS?

PLASTIC BAGS AND OTHER GARBAGE HAVE POOR THERMAL STABILITY, SO THAT WHEN BURNED THEY PRODUCE LARGE AMOUNTS OF HARMFUL GASES, SUCH AS A COMPOUND CALLED, 'DIOXIN'. DIOXIN HAS HIGH TOXICITY THAT KILLS BIRDS, FISH, AND OTHER ANIMALS.



HOW DOES INCINERATION AFFECT THE ENVIRONMENT?

INCINERATION PRODUCES: ACID GASES, ORGANIC POLLUTANTS, AND HEAVY METALS FROM WASTE. INCINERATION ASH NOT ONLY POLLUTE THE ATMOSPHERE, BUT ALSO CAUSES ACID RAIN, AND THE ASH POLLUTES THE GROUNDWATER.

HOW DOES INCINERATION AFFECT OUR HEALTH?

WASTE INCINERATION CREATES DIOXIN. DIOXIN GREATEST HARM IS HAVING IRREVERSIBLE TOXIC AFFECTS, AND CAUSES TERATOGENIC, CARCINOGENIC, MUTAGENIC AFFECTS. IT MAY CAUSE DEATH, DESTRUCTION OF ORGAN STRUCTURES AND THE DEVELOPMENT OF EARLY FETAL ORGAN AND PERMANENT INJURY. ALSO, IT CONTRIBUTES TO GLOBAL CLIMATE CHANGE WHICH CHANGES OUR ENVIRONMENT, HARMING US.

