

WHAT TO DO?

Help, I'm broiling!

NOTE:

This is incomplete, and I intend to add a lot to it. But here are some ideas.

KHRUSHCHEV'S KNOT

“We and you ought not pull on the ends of a rope in which you have tied the knots of war. Because the more the two of us pull the tighter the knot will be tied.” --

Russian Premier Nikita Khrushchev to President John Kennedy during the Cuban Missile Crisis

http://www.bookrags.com/quotes/Nikita_Khrushchev

and go about two-thirds the way down the page

FIGURING OUT WHAT TO DO

THERE ARE SEVERAL POSSIBILITIES:

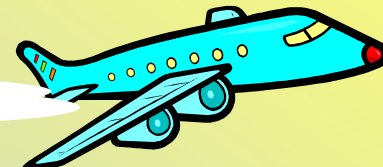
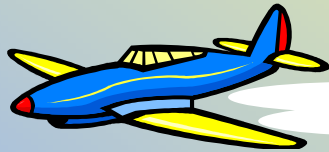
- 1. DO NOTHING**
- 2. LET IT HAPPEN AND TRY TO COMPENSATE**
- 3. PREVENT AS MUCH AS POSSIBLE AND THEN TOUGH IT OUT**
- 4. PREVENT AS MUCH AS POSSIBLE AND THEN COMPENSATE**
- 5. PREVENT IT ALL**

FIGURING OUT WHAT TO DO

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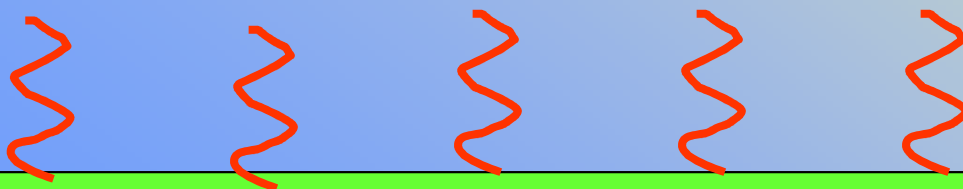
- 1. DO NOTHING**
(and risk not feeding 3 billion people – not an answer.)
- 2. LET IT HAPPEN AND TRY TO COMPENSATE**
(and keep pulling the knot tighter)
- 3. PREVENT AS MUCH AS POSSIBLE AND THEN TOUGH IT OUT**
(how much can you prevent?)
- 4. PREVENT AS MUCH AS POSSIBLE AND THEN COMPENSATE**
(might be the only possible choice)
- 5. PREVENT IT ALL**
(too late)

**KHRUSHCHEV WAS TALKING ABOUT WAR,
BUT**



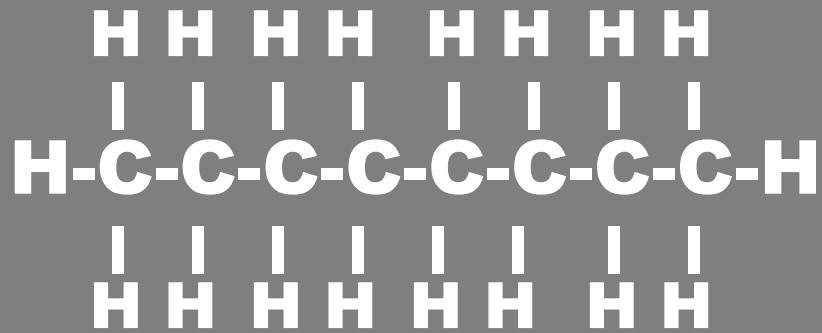
**IF YOU PULL ONE WAY, SAY, BY SPREADING SULFATES IN THE AIR
TO COOL THE WORLD BY REFLECTING SUNLIGHT**

**AND PULL THE OTHER
BY ALLOWING
GREENHOUSE
WARMING TO GO
UNCORRECTED...**

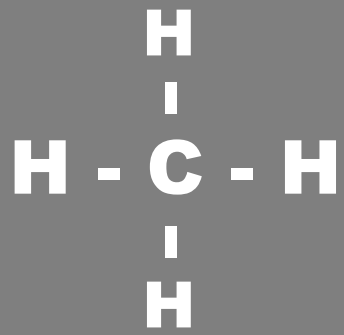


YOU WILL NEVER BE ABLE TO LET GO OF THAT SULFATE END.

IN CONCEPT “WHAT TO DO” IS SIMPLE...



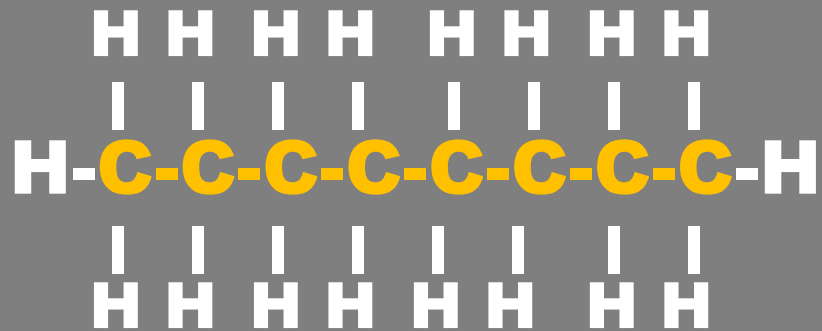
GASOLINE



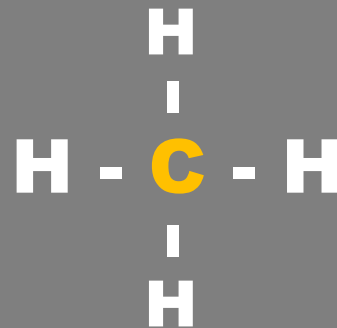
NATURAL GAS

C **COAL**

**THESE ARE EXAMPLES OF THE MOLECULES
OF OUR MAIN FUELS**



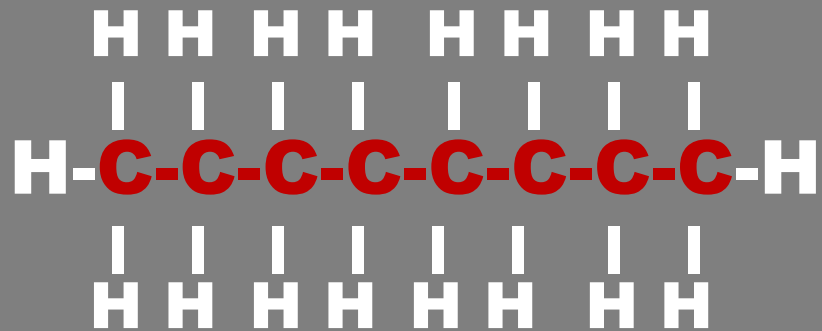
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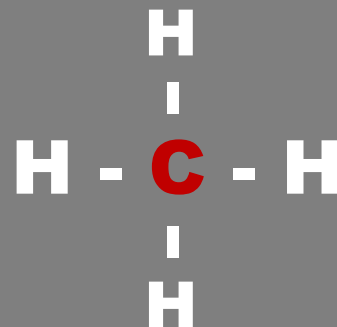
NATURAL GAS

C COAL

**AND ALL THOSE LITTLE C'S IN THEM
REPRESENT CARBON...**



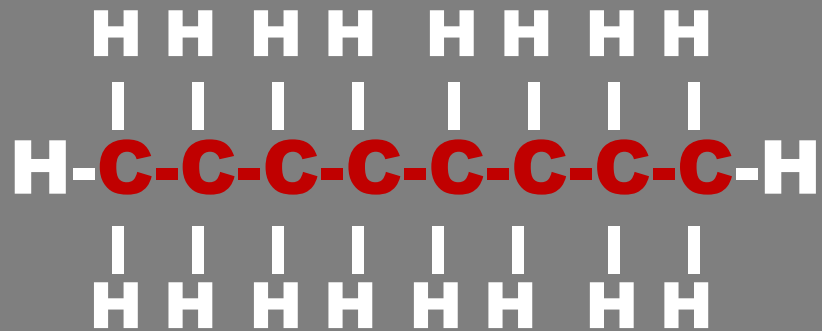
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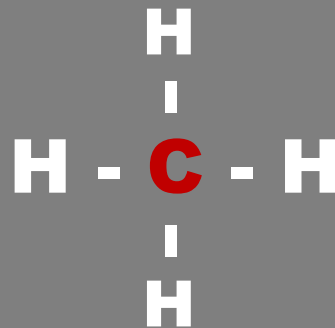
NATURAL GAS

C COAL

**...THE STUFF THAT PICKS UP OXYGEN ATOMS
WHILE BURNING AND BECOMES CARBON DIOXIDE.**



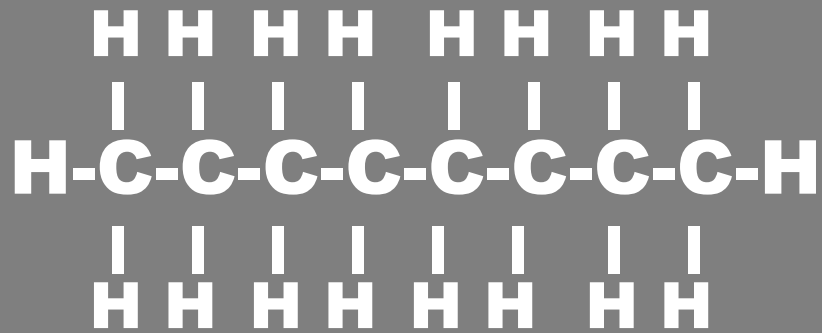
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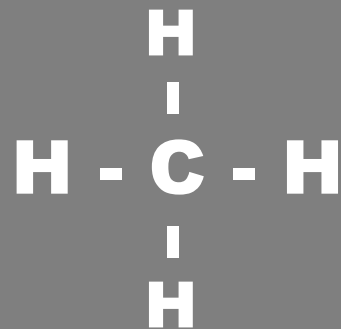
NATURAL GAS

C COAL

SO...



GASOLINE



NATURAL GAS

C

COAL



...SWITCH TO ENERGY WITHOUT CARBON.

**WE ARE STUCK BECAUSE WE GENERALLY
RESPOND TO PRICE SIGNALS.**

CARBON-BASED FUELS HAVE BEEN CHEAPER.

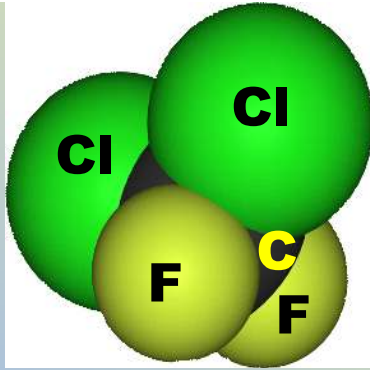


**THROWING
AWAY CARBON-
BASED WASTE
PRODUCTS IS
FREE.**

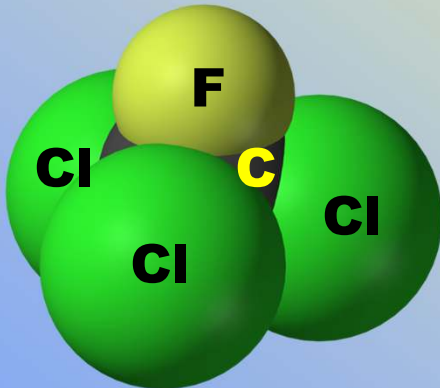
MAKE THE CARBON COST SOMETHING.

IF THERE IS A FINANCIAL INCENTIVE, ALL SORTS OF THINGS HAPPEN.

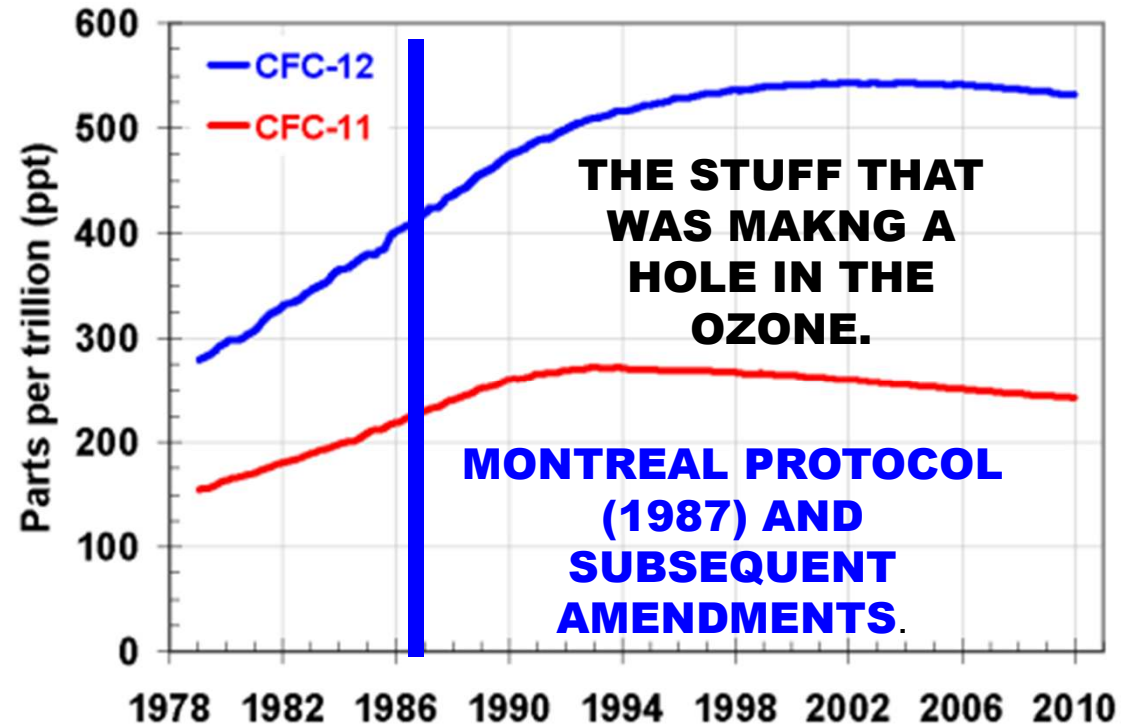
VARIOUS IDEAS SUCH AS CAP-AND-TRADE, A CARBON TAX, OR A CARBON FEE ARE ATTEMPTS TO CHANGE THE PRICE SIGNALS BY MAKING CARBON COST SOMETHING.



CFC-12



CFC-11



GOOD NEWS AND BAD NEWS

WE HAVE HAD A BIT OF PRACTICE AT FIXING THIS KIND OF THING.

BUT TRAPPING HEAT NEAR THE SURFACE COOLS THE STRATOSPHERE. THAT MAKES OZONE DESTRUCTION MORE EFFICIENT.

MORE INFO AT

<http://www.esrl.noaa.gov/gmd/aggi/>

MORE COMING

BE PATIENT.