

# Year 8 Topic 5 : Resources Management in the Middle East

Oil rese

## Where is the world's oil?

@Land\_gest @Landgest



Middle East, Russia, USA, Venezuela due to past tectonic locations



The Tethys Sea during the Triassic

Modern day Middle East moved over the Tethys Sea causing more compression and the formation of oil.



Take the salt out of sea water and make it usable

When it rains, dam the rivers to keep water stores back for when it doesn't.



## How do we reduce the water deficit?

### Cloud seeding

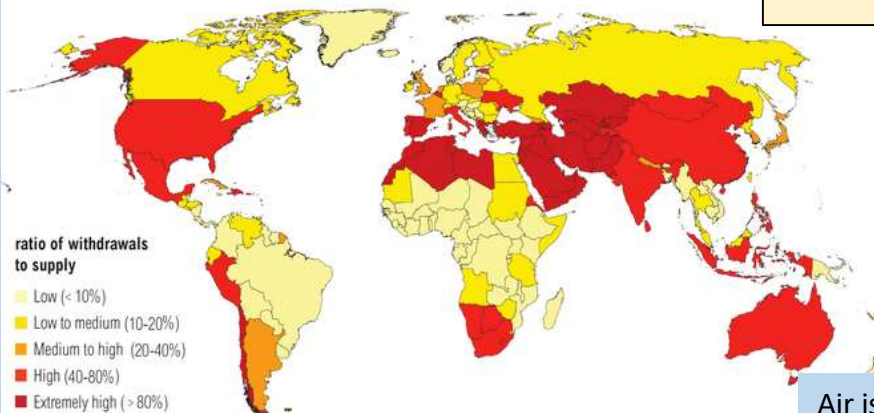
Traditional method of rainmaking, in use since the 1940s



Make clouds!

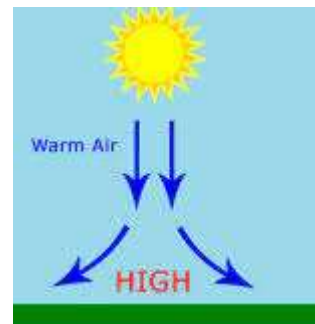
## Where is the world's water?

We need to use less oil as it releases fossil fuels which absorb the sun's energy quicker – making our planet hotter causing less drinkable water (due to evaporation and melting into salty oceans) and disrupting ecosystems.



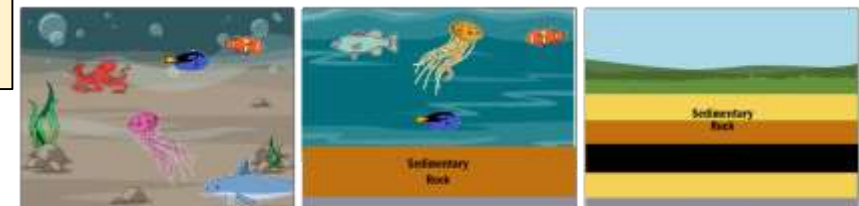
Low pressure areas have the most water, high pressure areas have the least

## Why does the Middle East have so little rain?



Air is sinking at 30°N and S of the equator. This means it cannot condense into clouds which create rain.

## How does oil form?



Decaying animals starved of oxygen at the bottom of the ocean are compressed, creating oil which can be extracted.



Oil reserves are often found at the bottom of the ocean where heat and pressure has been applied.