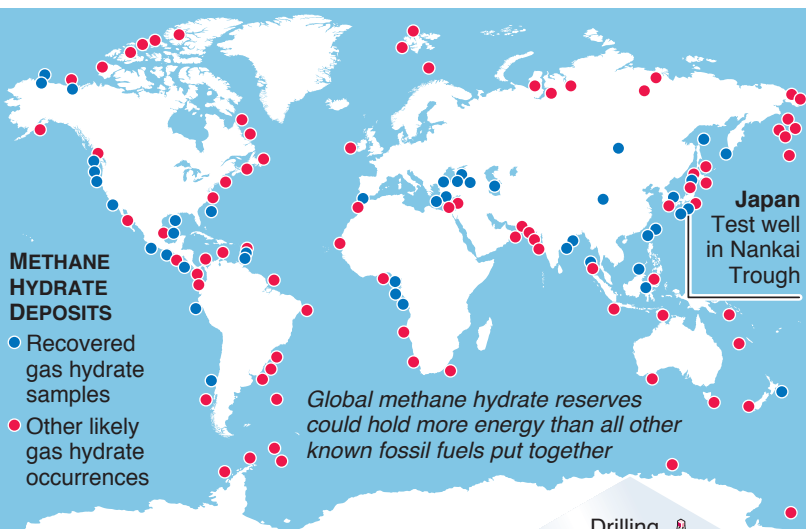
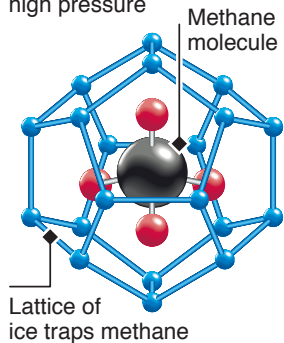


Japan reports “flammable ice” success

Japan has reported success in producing gas from methane hydrate deposits off its central coast. The extraction of the frozen gas known as “flammable ice” opens up a potentially vast source of global energy

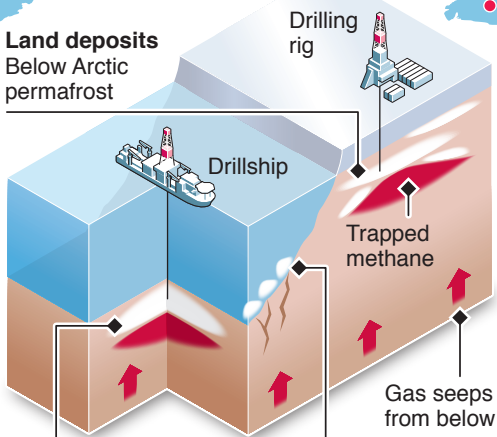


Methane hydrates exist under low temperature and high pressure



When brought to Earth's surface, one cubic metre of gas hydrate releases 164 cubic metres of gas

Land deposits
Below Arctic permafrost



Ocean deposits
Embedded in sediment on continental margins at depths greater than 500m

Hydrate mounds on sea floor where gas escapes from fault conduits