

Refrigerant and the way it works.

1. Match the words with their definitions.

A	B
refrigerant	is a material with a particular physical characteristics.
substance	is a chemical compounds with carbon-fluorine bond.
liquid	means to make a liquid thicker by taking some of the water out of it.
vapor	is a chemical substance that can be used to make or keep things cold.
to condense	is a gas that has a strong, unpleasant smell and dissolves in water. It's defined as a major air pollutant.
to be a far cry from	is a gas that escapes from a liquid or solid, especially as a result of heating.
sulfur dioxide	is a substance that is not solid and can be poured easily.
fluorocarbon	means to be very different from something.

2. Listen and match the dates and the facts.



— 1805	1. The first home refrigerator using CFCs was sold.
— 1920s	2. It was discovered that CFCs is harmful to the ozone layer.
— the early 20 th	3. 80% of American households owned a refrigerator.
— after 1930	4. Thomas Midgley and Charles Kettering invented CFCs and marketed it as Freon.
— by 1955	5. Oliver Evans was the first who described the theoretical basis for vapor compression refrigeration.
— 1970s-1980s	6. The international community established the Montreal Protocol, which mandated the global phased-out of ozone-depleting substances.
— 1987	7. Household use of vapor compression refrigerators and air conditioners emerged.