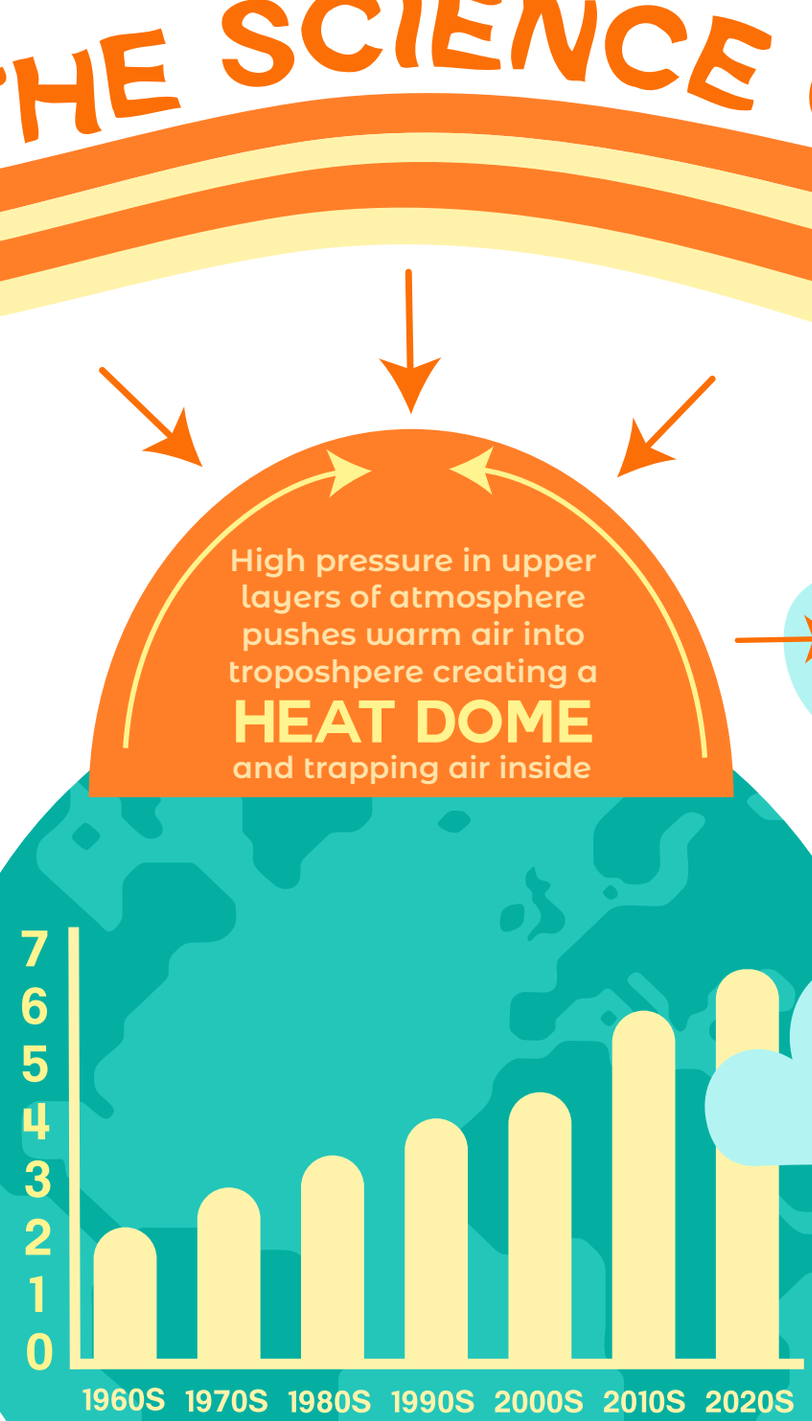
CPLabSafety

THE SCIENCE OF HEAT WAVES

High pressure in upper layers of atmosphere pushes warm air into troposhpere creating a **HEAT DOME** and trapping air inside

Air inside a heat dome is compressed, increasing temperature and blocking wind and clouds



Climate change is increasing the frequency and length of heat waves

Over 600 people die in heat waves annually

There are 2 jet streams in each hemisphere circulating air from the equator

With less of a temperature difference between jet streams in summer, they have less speed and force. Calmer jet streams drift toward the north pole, allowing high pressure systems to move into an area. This is why heat domes are more commonly formed in summer.

The number of heat related deaths is expected to increase to thousands and will be worse in cities

Stay Safe

WATCH FOR SYMPTOMS OF HEAT STROKE

HYDRATE • LIMIT OUTDOOR ACTIVITY • WEAR COOLING CLOTHES