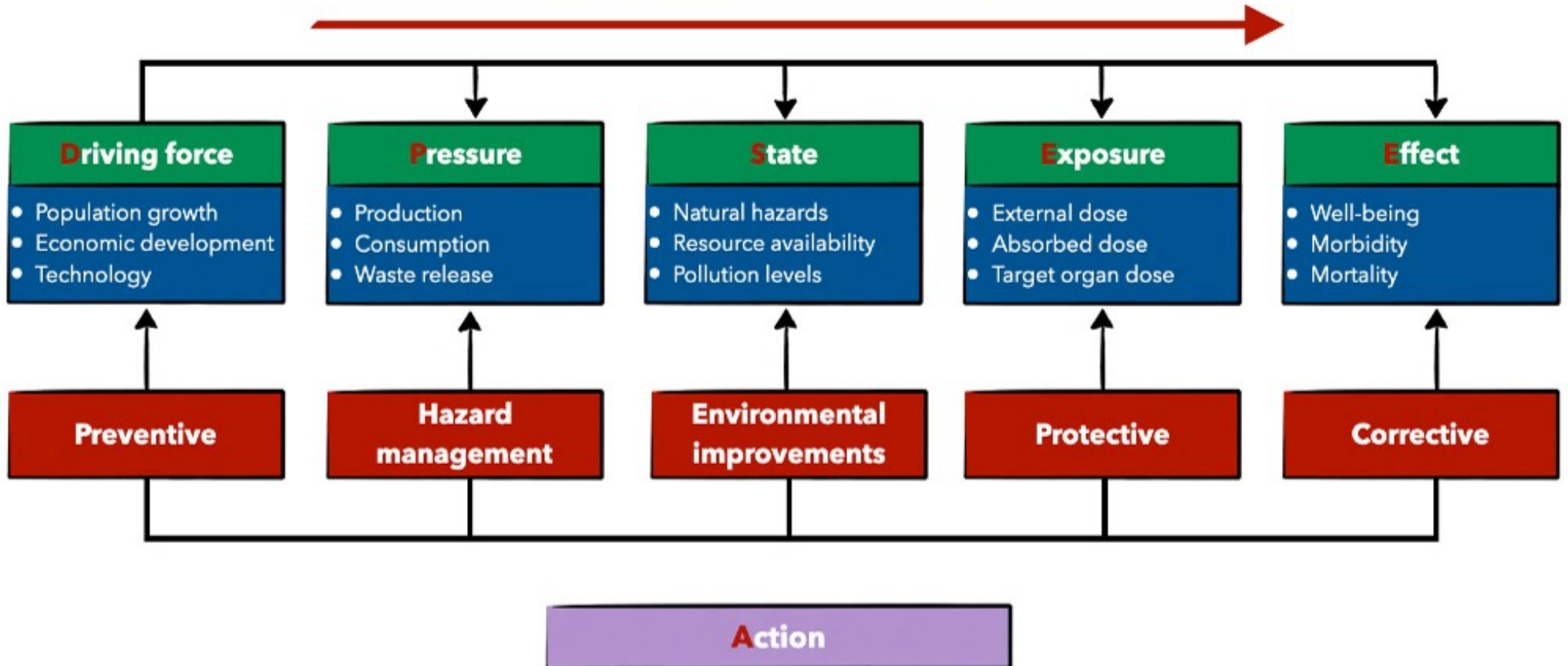
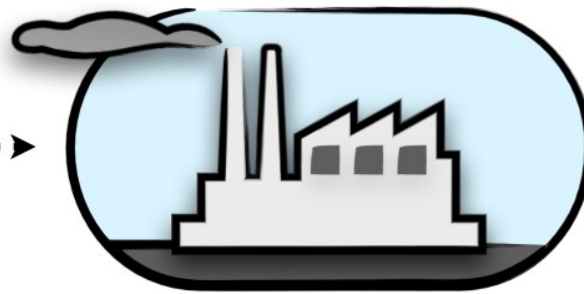


## DPSEEA - Framework

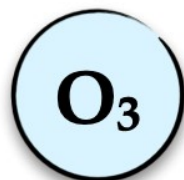




Policy making



Industrial Emissions (CO<sub>2</sub>, PM and Greenhouse gases)



Cardiovascular Disease/Sequelae



Inflammation



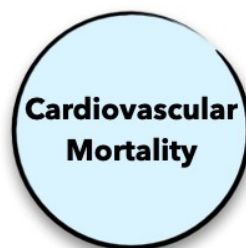
Electrolyte imbalances



Myocardial infarction



Heart failure



Cardiovascular Mortality



Stroke

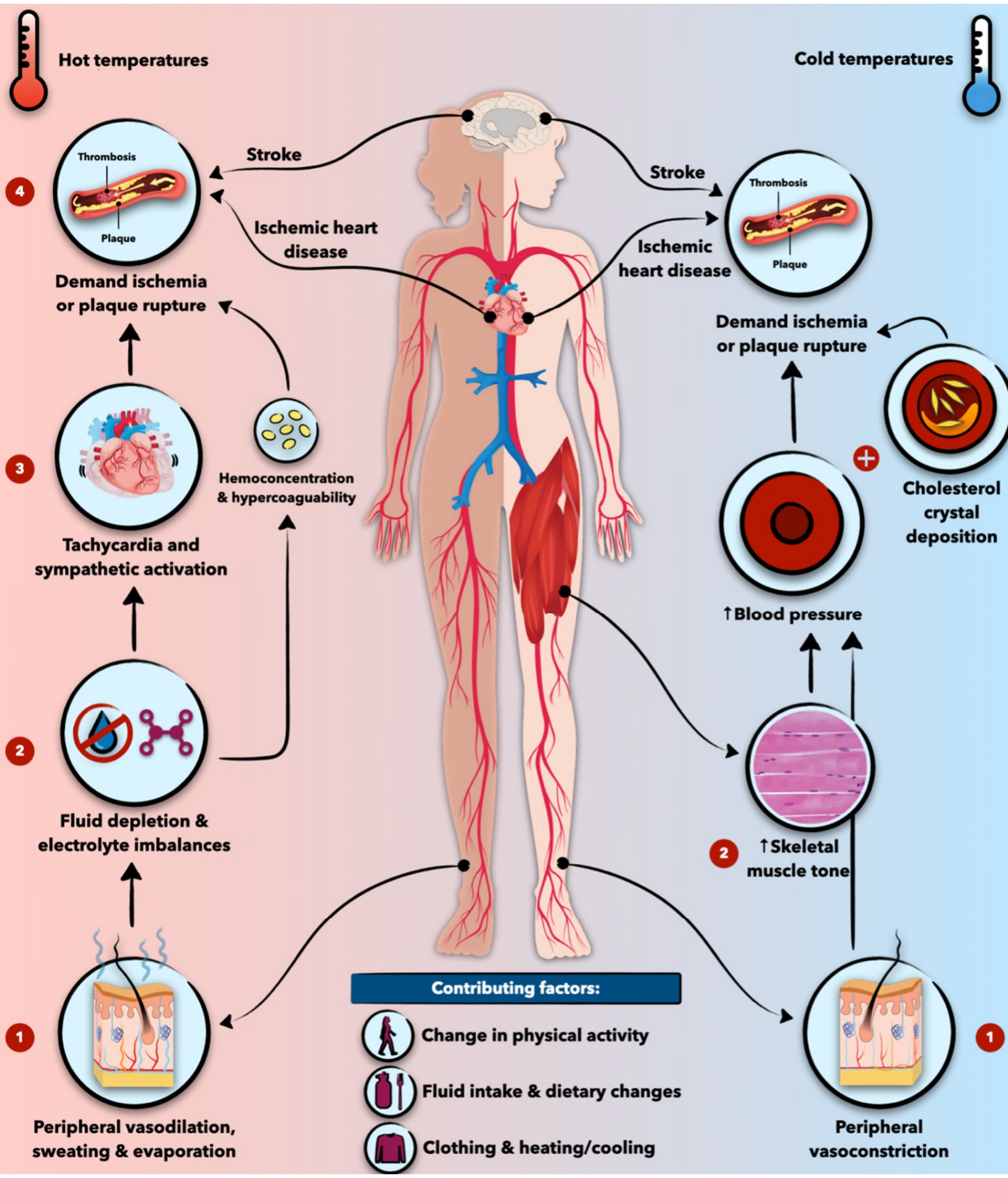


Arrhythmia

Climate change

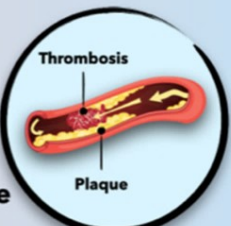
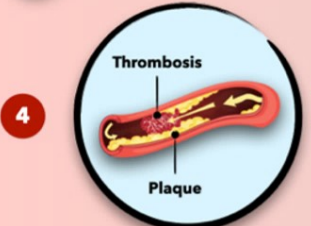
Impact





Hot temperatures

Cold temperatures



Stroke

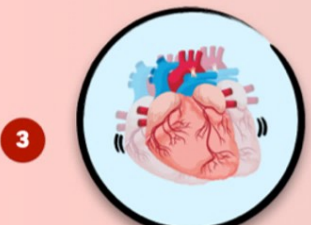
Stroke

Ischemic heart disease

Ischemic heart disease

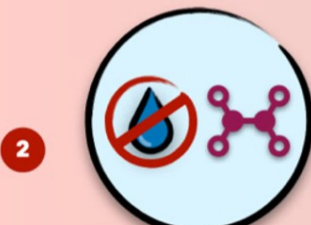
Demand ischemia or plaque rupture

Demand ischemia or plaque rupture



Hemoconcentration & hypercoagulability

Tachycardia and sympathetic activation

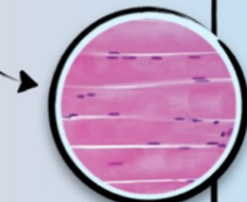


Fluid depletion & electrolyte imbalances

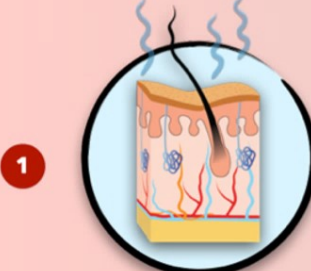


Cholesterol crystal deposition

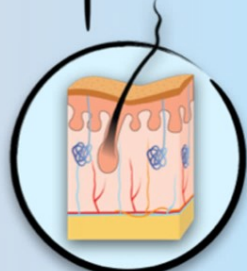
↑ Blood pressure



↑ Skeletal muscle tone



Peripheral vasodilation, sweating & evaporation



Peripheral vasoconstriction

**Contributing factors:**

- Change in physical activity
- Fluid intake & dietary changes
- Clothing & heating/cooling

