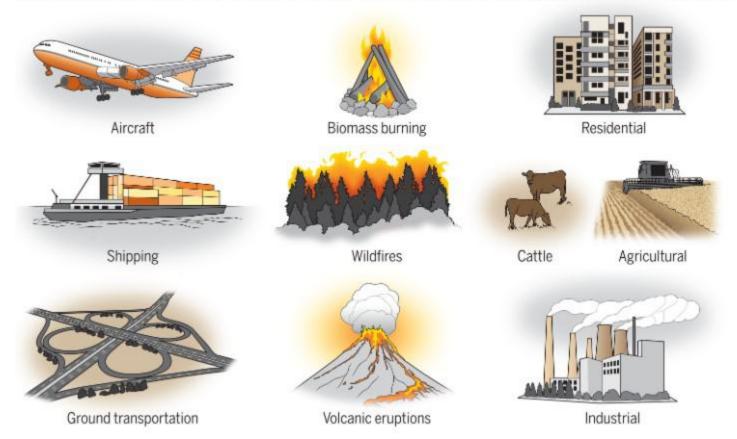
Natural and anthropogenic emissions

PM25, PM10 O3, NO2, NO2, NO3, CO, SO2, VOCs, sulfate, nitrate, ammonia, black carbon, UFPs, PAHs, dust, CFCs, heavy metals, CH4



Outcomes

Pregnancy and birth

- · Term low birth weight
- · Preterm delivery
- · Spontaneous abortion
- · Infertility

Wear a respirator

Personal exposure

mitigation

Children

- · Asthma onset
- Acute lower respiratory infections
- Neurodevelopmental disorders



Stay indoors

Adults and elderly

- Central nervous system
- Respiratory/ cardiovascular/ metabolic disorders
- Cancer
- Kidney/genitourinary
- · Immune/allergic

Use air purifier



Avoid polluted areas

Fig. 1. Air pollutant emission sources, detrimental life-span health impacts, and personal-level risk mitigations.

CREDIT: K. HOLOSKI/SCIENCE

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