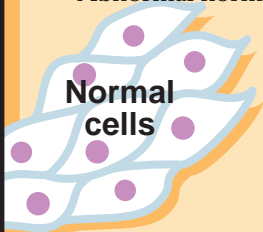


INITIATION

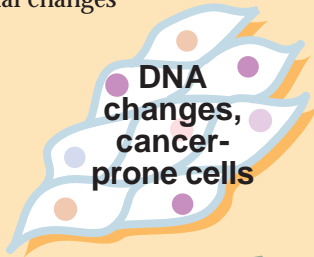
- Toxic environmental contaminants and other chemical agents
- Viruses
- Exposure to radiation (X-rays) and radioactive particles
- Abnormal hormonal changes



Normal cells

PROMOTION

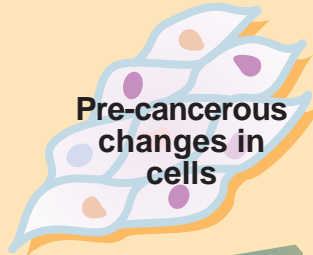
- Cells with damaged DNA divide in localized area
- "Lag time" of 10 to 30 years



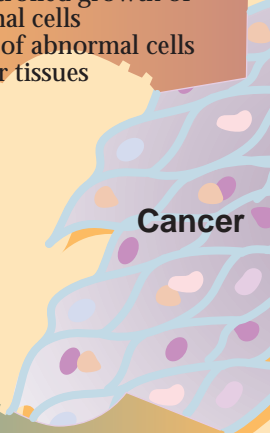
DNA changes, cancer-prone cells

PROGRESSION

- Uncontrolled growth of abnormal cells
- Spread of abnormal cells to other tissues



Pre-cancerous changes in cells



Cancer

DNA REPAIR

- Antioxidants
- Other substances

REPAIR & REPRESSION OF CANCER-PRONE CELLS

- Growth inhibitors
- Vitamin A, antioxidants

DESTRUCTION OF ABNORMAL CELLS

- Chemotherapy
 - Radiation treatments
- (Both also destroy some normal cells).*