

Causes of Cancer

- **Carcinogens**—environmental cancer-causing agents
 - **Radiation**—ultraviolet rays, X-rays
 - **Chemical**—cigarette tar, food preservatives, industrial chemicals
 - **Viruses**—human papillomavirus, hepatitis C, and type 2 herpes simplex
- Only 5% to 10% of cancers are hereditary
- Carcinogens trigger gene mutations