

1 | **Benign tumor**

1.1 | **a tumor that is not dangerous/cancerous**

1.1.1 | **not spreading or growing too fast**

2 | **Carcinogenesis**

2.1 | **causing a cancerous mutation**

2.2 | **typically an environmental compound**

2.3 | **TODO what does ionizing radiation have to do with this causing molecular level structural damage and thus cancer? question**

3 | **in situ cancer**

3.1 | **growing where it started (not moving)**

3.2 | **in contrast to metastatic cancer**

4 | **metastatic cancer**

4.1 | **cancer gains the ability to invade new tissues**

5 | **invasive cancer**

5.1 | **cancer that impacts the function of the organ or goes somewhere new**

5.2 | **a cancer can be invasive but not metastatic**

6 | **oncogenesis**

6.1 | **the creation of cancer (after the mutation)**

7 | **mutagenesis**

7.1 | **the mutation of a gene that might cause cancer**

8 | **protease**

8.1 | **a protien that eats other protiens**

9 | **caspase**

9.1 | **a family of protiens that control cell death (apoptosis)**

10 | **autophagy**

10.1 | **the process by which a cell eats itself**