





































Cancer cells form disorganized clumps called <u>tumors</u>.
<u>Benign</u> tumors remain clustered in one location and can be removed.
<u>Malignant</u> tumors <u>metastasize</u>, or break away/spread, and can form more tumors.
<u>Carcinogens</u> are substances known to <u>promote</u> cancer.



## Asexual Reproduction

- Involves only 1 parent cell
- Similar to mitosis in unicellular organisms (bacteria)
- Advantage?
  - Faster reproduction rates increase chances of survival
  - Independent of another cell/organism



## Sexual Reproduction

- Requires 2 parent cells (sex cells...aka **gametes**)
- Sperm & egg unite during:
  Fertilization
- This forms a <u>zygote</u>.
- Advantage of sexual reproduction?
  - Greater genetic diversity
  - Increased chance of survival to changing environments of organisms







Important Vocabu	lary	y:					
Autosomes					88		
chromosomes that do <b>not</b> contain genes related to gender	1 7	2	3	4	5	6 12	H N
Sex Chromosomes chromosomes that do contain genes related to gender (X or Y)	0000 13	0 0 14	15	8 8 16	0 0 0 0 0 17	18	
	19	8 8 20	21	22		XY	



















