Tying it all Together

(Asexual vs. Sexual Reproduction & Mitosis vs. Meiosis)

creates 2 identical daughter cells --1 organism needed -- offspring get ½ of DNA from each parent -cell doubles DNA and splits twice -- sex cells not needed -- only occurs in sex cells -- sex cells needed (sperm & egg) cells are diploid (2n) -- makes somatic (body) cells -- 2 organisms of the same species needed -- cells are haploid (n)parent contributes 100% of DNA -- produces sex cells (sperm & egg) -- results in genetically different offspring -cells double DNA then splits -- purpose to repair cells/replace cells -- creates 4 genetically different daughter cells -happens all over the body (except sex cells) -- ways to reproduce are binary fission, budding, fragmentation) -produces cells with ½ of DNA -- offspring identical to parent --

HOW an organism reproduces		
Asexual		Sexual
What goes on INSIDE the body		
(in the cells of an organism)		
Mitosis		Meiosis