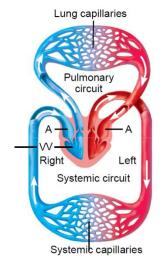
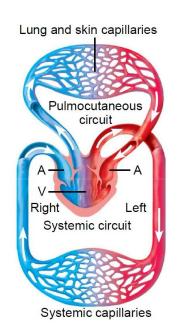


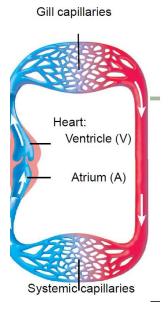
The closed circulatory system in a fish

The double circulation and four-chambered heart of a bird or mammal

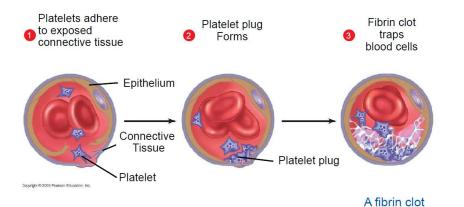


The double circulation and three-chambered heart of an amphibian



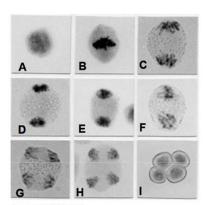


Two-chambered heart



The blood-clotting process



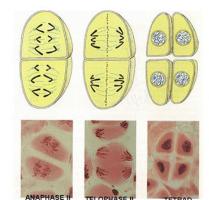


- . PROPHASE I
- B. METAPHASE I
- C. ANAPHASE
- D. TELOPHASE I
- E BROBHASE II
- F. METAPHASE II

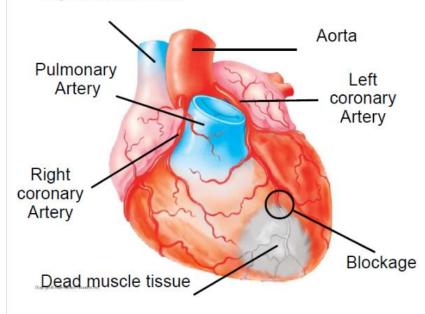
TELOPHASE II

- G. ANAPHASE II
- I. TETRAD

MEIOSIS

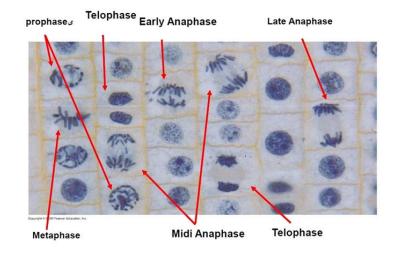


Superiorvena cava



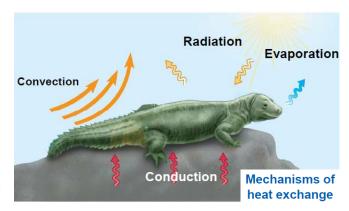
Blockage of a coronary artery, resulting in a heart attack

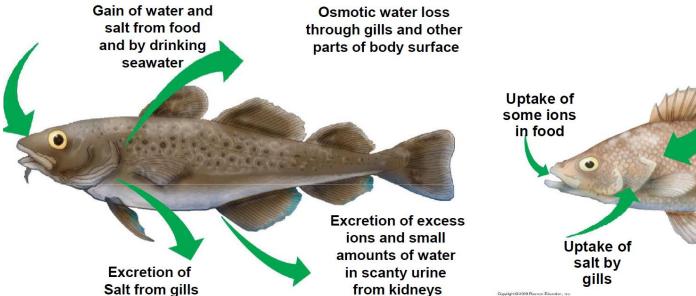
Mitosis





Thermoregulation Circulatory adaptations
Large ears in elephants





Uptake of some ions in food

Uptake of salt by gills

Uptake of salt by gills

Osmotic water gain through gills and other parts of body surface

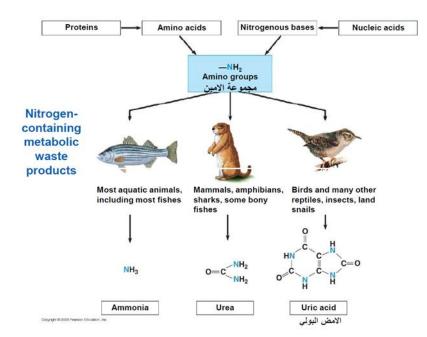
Excretion of large amounts of water in dilute urine from kidneys

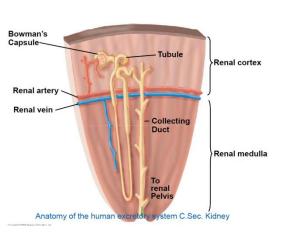
Osmoregulation in a perch, a freshwater fish

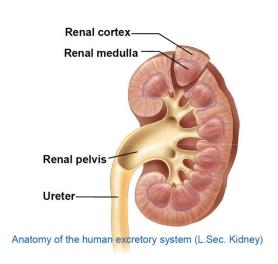
Osmoregulation in a cod, a saltwater fish

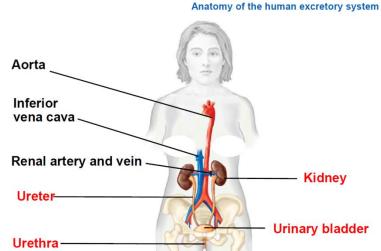


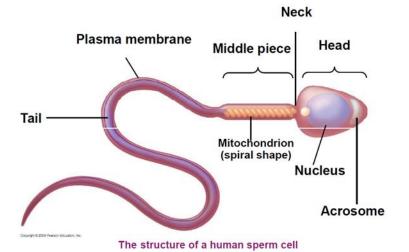
Asexual reproduction of an aggregating sea anemone (Anthopleura elegantissima) by fission

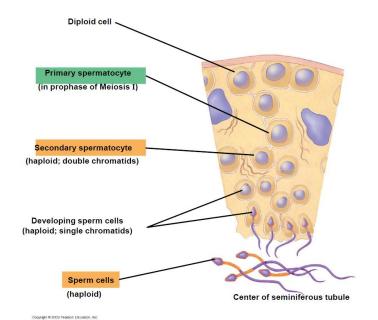


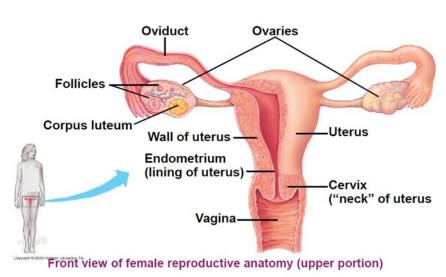


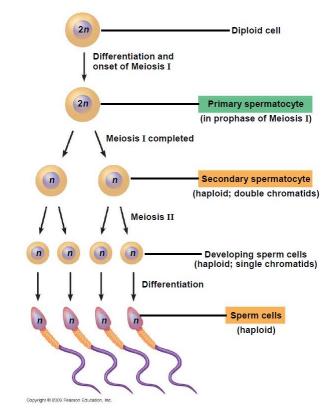


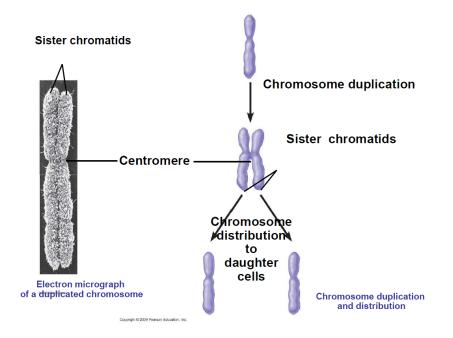


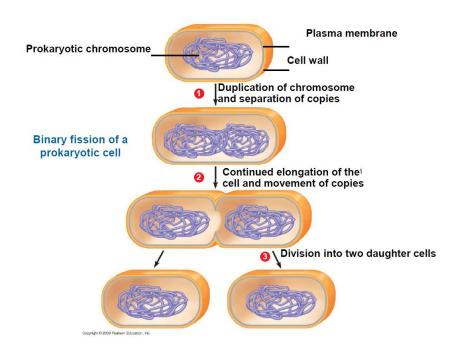




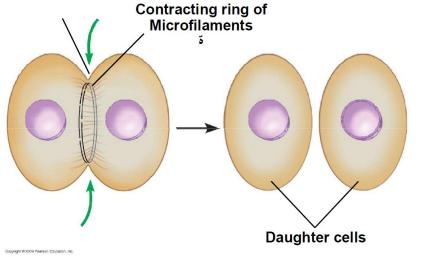


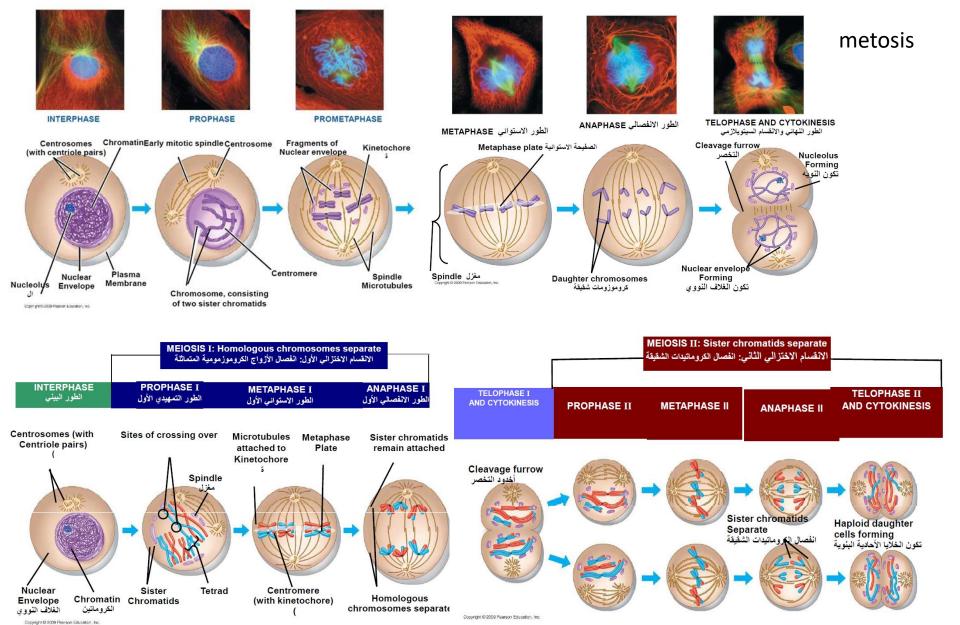






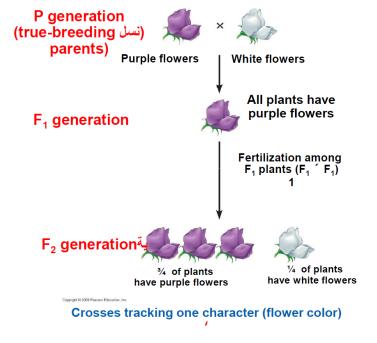
Cleavage furrow

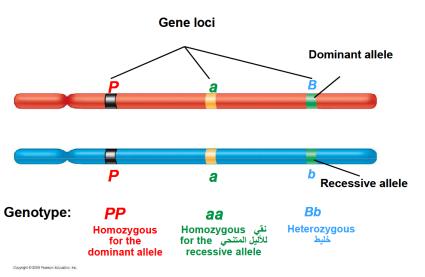




The stages of miosis I

The stages of miosis II

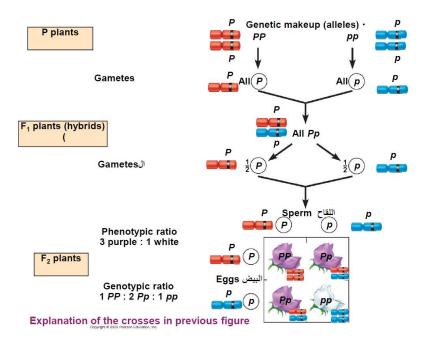




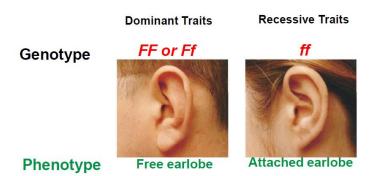
Matching gene loci on homologous chromosomes

Character الصفة	Dominant Trait الهيئة السائدة	Recessive Trait الهيئة المتنحية
Flower color	Purple	ف White
Flower position	Axial	Terminal
Seed color	Yellow	Green
لون البذرة	أصفر	ا خ ضر
Seed shape	Round	Wrinkled
شكل البذرة	مستدیر	مجعد
Pod shape	Inflated	Constricte
شكل قرن البذور	کاملة	مُخصرہ
Pod color	Green	Yellow
لون قرن البذور	خضراء	صفراء
Stem length	Tall	Dwarf
طول الساق	طویل	قصر

The seven pea characteristics studied by Mendel الصفات السبعة التي درسها مندل

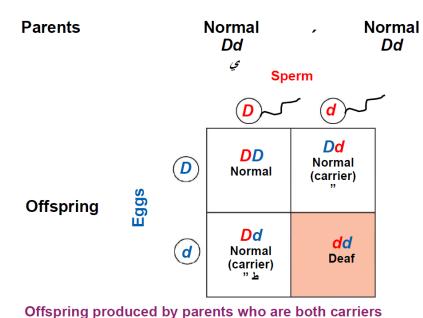


Examples of single-gene inherited traits in humans

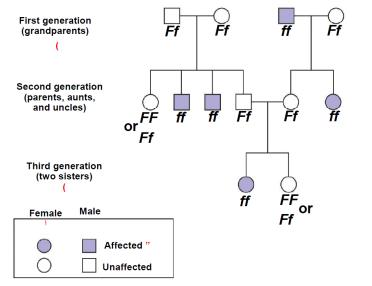


Examples of singlegene inherited traits in humans





for a recessive diorder



Pedigree showing inheritance of attached versus free earlobe in a hypothetical family

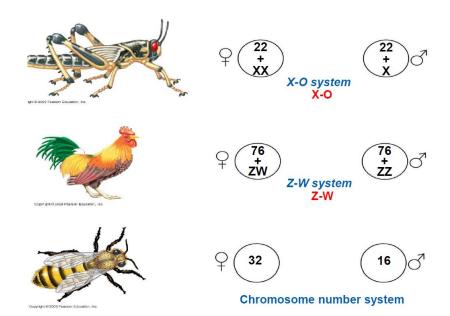
- X-Y system in mammals, fruit flies
 - XX = female; XY = male

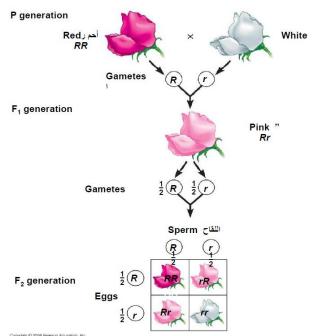
- X-O system in grasshoppers and roaches
 - XX = female; XO = male

- Z-W in system in birds, butterflies, and some fishes
 - ZW = female, ZZ = male

= ZZ =ZW •

- Chromosome number in ants and bees
 - Diploid = female; haploid = male





Coopyright © 2009 Person Education, Inc.
Incomplete dominance in snapdragon color

