



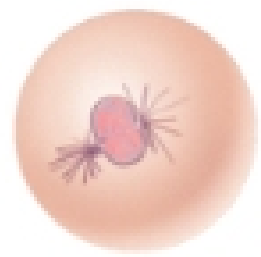
Human Development

Chapter 10

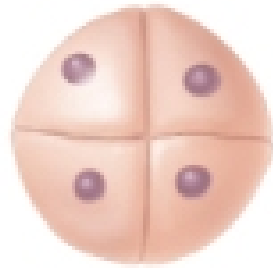
Conception & Prenatal Development

- ▢ Most dramatic changes occur during early prenatal development
- ▢ A **zygote** is formed when sperm cell fertilizes an egg
- ▢ After this, three stages of development

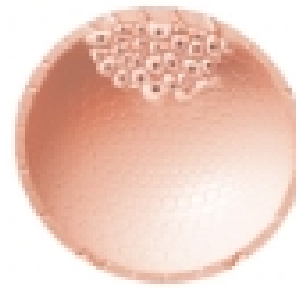




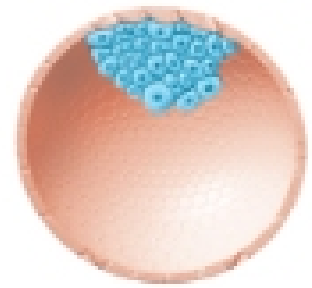
(a) Zygote (fertilized egg)



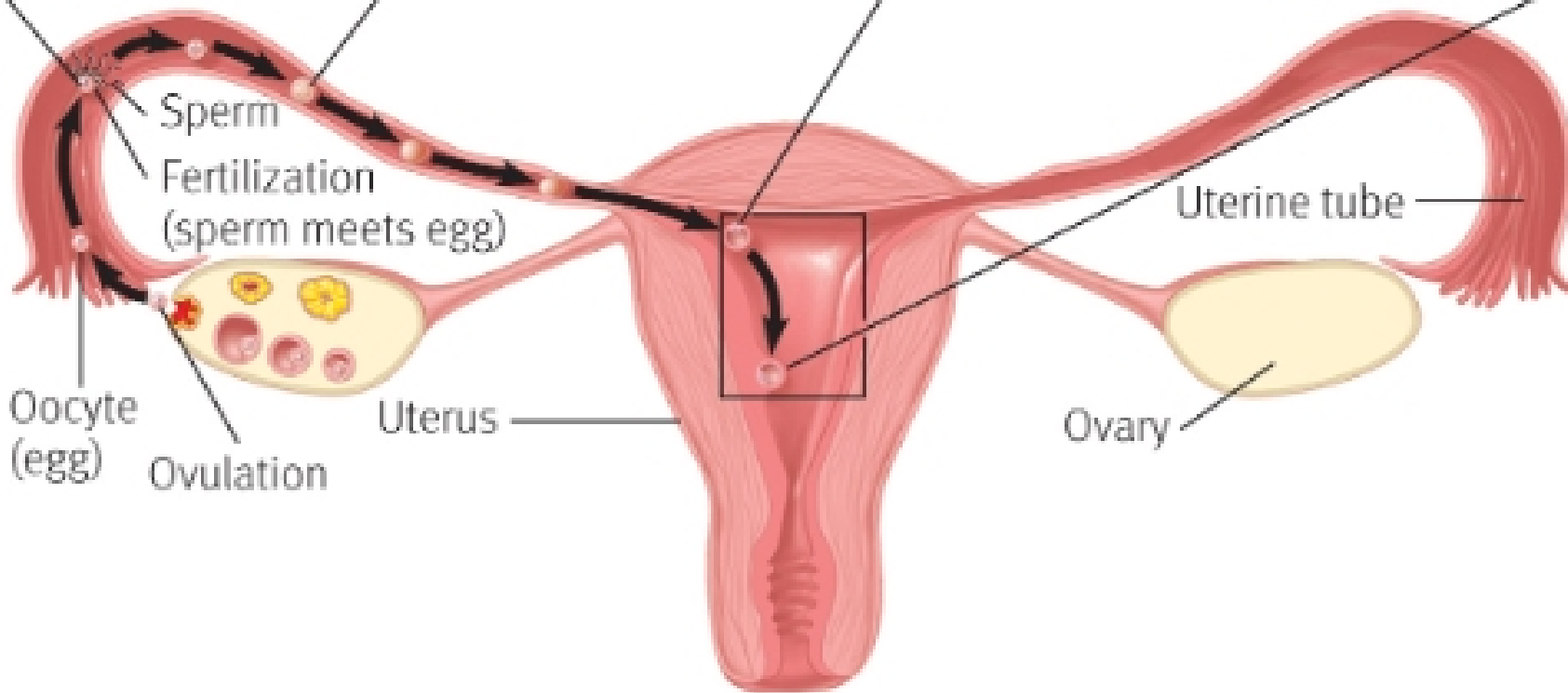
(b) 4-cell stage 2 days



(c) Early blastocyst 4 days



(d) Implanting blastocyst 6 days



Oocyte (egg)

Ovulation

Sperm
Fertilization (sperm meets egg)

Uterus

Uterine tube

Ovary