

## **Concept 9.1**

### **All cells come from cells.**

#### **Repair and Growth:**

The replacement of lost or damaged cells is just one of the important roles cell reproduction plays in your life. Another is growth simply increasing in size from a baby to an adult.

#### **Reproduction:**

**asexual reproduction** - reproduction by simple cell division, in which a single cell or group of cells each duplicates its genetic material and then splits into two new **genetically identical** cells.

**sexual reproduction** - when two parents are involved in the production of offspring. In sexual reproduction genetic material from each of two parents combines, producing offspring that differ genetically from either parent. Involves the union of sex cells, such as egg and sperm.