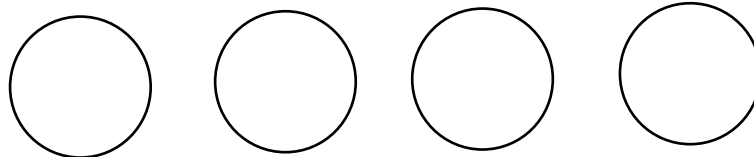**CONCEPT:** INDEPENDENT ASSORTMENT

● Independent Assortment is Mendel's Second Law

   □ **Independent Assortment**: States that alleles of two genes assort independently

   □ A *dihybrid cross* is used to examine two independently assorting genes

EXAMPLE:

Genotype	AaBb
Phenotype	Yellow Round

What are the genotypes of the gametes?

◯　　◯　　◯　　◯

PRACTICE

1. Which of the following gametes cannot be formed from the genotype AaBBCc?
   a. aBC
   b. ABC
   c. Abc
   d. ABc

2. Which of the following gametes cannot be formed from the genotype DDeeFfGG?
   a. DeFG
   b. DDeFG
   c. DefG
   d. DefG

3. Which of the following gametes cannot be formed from the genotype HhJjKK?
   a. HJK
   b. hjK
   c. hjk
   d. HjK