

# Bio 111 Answer to iClicker Question 1

The  $F_2$  plants are a mixture of RR and Rr. Therefore, the following combinations are possible:

- $RR \times RR \Rightarrow$  all RR offspring (all round)
- $RR \times Rr \Rightarrow$   $1/2$  RR and  $1/2$  Rr offspring (all round)
- $Rr \times Rr \Rightarrow$   $3/4$  R\_ and  $1/4$  rr (3:1 round:wrinkled)

Thus, you could get 3:1 round:wrinkled or all round; all wrinkled is impossible (rules out A & E).

The only correct answer is D.

If you didn't consider all the alternatives, you would have given B or C.