

# Biology 112 Handout for Evolution 3

This handout contains:

- today's iClicker Question

## Bio 112 iClicker Question #0 - after lecture

Given the following individuals with the following genotypes:

<u>Genotype</u>	<u>Number</u>	<u># of A alleles</u>	<u># of a alleles</u>
AA	10		
Aa	10		
aa	80		
	<b>Total:</b>		

What are the frequencies of the A and a alleles in this population?

- A) frequency of A =  $\frac{20}{100}$  and frequency of a =  $\frac{90}{100}$
- B) frequency of A =  $\frac{20}{200}$  and frequency of a =  $\frac{90}{200}$
- C) frequency of A =  $\frac{20}{110}$  and frequency of a =  $\frac{90}{110}$
- D) frequency of A =  $\frac{30}{200}$  and frequency of a =  $\frac{170}{200}$
- E) None of the above.

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### **Beaming in your answers**

1. Figure out your answer and select the appropriate letter (A-E).
2. Turn on your iClicker by pressing the "ON/OFF" button; the blue "POWER" light should come on. If the red "LOW BATTERY" light comes on, you should replace your batteries soon.
3. Transmit your answer as follows:
  - a. Press the button corresponding to the answer you've selected (A thru E).
  - b. The "STATUS" light will flash green to indicate that your answer has been received. If the "STATUS" light flashed red, your answer was not received; you should re-send it until you get a green "STATUS" light.

