

Name: _____ Date: _____ HR: _____

Pigeonetics

1. What are the sex chromosomes for pigeons? Male: _____ Female: _____

2. What are the sex chromosomes for people? Male: _____ Female: _____

3. Solve the first puzzles to breed the correct pigeons. Which pigeon is passing on the allele that determines gender in pigeons? (Male or Female)







4. Which person passes on the allele that determines gender in humans? (Male or Female)

5. Is a crest dominant or recessive in pigeons? _____

6. What combination(s) of alleles will give you a pigeon with **no** crest? _____

7. What combination(s) of alleles will give you a pigeon **with** crest? _____

8. For **challenge 5** you need to use multiple generations in order to breed the correct pigeon. Track your generations here. Just add the zig zag to the top if you have the crest allele.

Male 1:	Female 1:		Result 1: (male / female) (fill this in before you hit hatch!!)
			
Male 2:	Female 2:		
			

9. When you get to “slippers” **STOP!** Get your teacher’s initials that you completed the challenge: _