

Name _____

Date _____

CODOMINANCE & INCOMPLETE DOMINANCE PRACTICE WORKSHEET

1. Explain the difference between incomplete and codominance.

incomplete is the mix of physical traits together, codominance is both present equally

Codominance Problems

2. In a certain fish, blue scales (B) and red scales (R) are codominant. When a fish has the hybrid genotype, it has a patchwork of blue and red scales.
- What is the genotype for blue fish? BB
 - What is the genotype for red fish? RR
 - What is the genotype for patchwork fish? BR
3. What happens if you breed a patchwork fish with a fish that only has blue scales?
- What is the probability of having fish with red scales? 0 %
 - What is the probability of having fish with patchwork scales? 50 %

		B	R
B		BB	BR
B		BB	BR

4. Two patchwork fish are crossed. What is the probability that they will have patchwork fish offspring?
50 %

		B	R
B		BB	BR
R		BR	RR

5. Two short-tailed (Manx) cats are bred together. They produce three kittens with long tails, five short tails, and two without any tails. From these results, how do you think tail length in these cats are inherited? Show the genotypes for both the parents and the offspring to support your answer.

incomplete dominance, since there is a range of tails that can be made

Genetics Practice Problems Incomplete Dominance Answers

Mocktime Publication



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