Name: _____ Score: _____

4 Multiple choice questions

Term 1 of 4

(Codominance) If a mouse with black fur (BB) and a mouse with white fur (WW) mate, what will be the phenotype(s) of their offspring? Why?

- ○ **Black, because in codominance, one trait dominates.**
- ○ **Solid gray, because in codominance, traits blend.**
- ○ **Black and white stripes, because in codominance, traits combine, so if black fur and white fur combine, there is black and white stripes.**
- ○ **Brown, because in codominance, traits are suppressed.**

Term 2 of 4

(Incomplete Dominance) If a mouse with black fur (BB) and a mouse with white fur (WW) mate, what will be the phenotype(s) of their offspring? Why?

- ○ **Gray, because in incomplete dominance, traits blend, so if black and white blend, they make gray.**
- ○ **Spotted, because in incomplete dominance, traits mix randomly.**
- ○ **Black, because in incomplete dominance, one trait dominates.**
- ○ **White, because in incomplete dominance, traits are suppressed.**

Term 3 of 4

(Incomplete Dominance) What if two mice with gray fur (BW) had babies? What would be the phenotypes and genotypes? Why?

- ○ **75% of their babies would have gray fur, and 25% would have black fur.**
- ○ **25% of their babies would have black fur, 50% would have gray fur, and 25% would have white fur.**
- ○ **50% of their babies would have black fur, 25% would have gray fur, and 25% would have white fur.**
- ○ **25% of their babies would have brown fur, 50% would have gray fur, and 25% would have white fur.**

Term 4 of 4

What is the difference between codominance and incomplete dominance?

- ○ **In codominance, traits are masked, and in incomplete dominance, traits are enhanced.**
- ○ **In codominance, traits are suppressed, and in incomplete dominance, traits are dominant.**
- ○ **In codominance, traits combine, and in incomplete dominance, traits blend.**
- ○ **In codominance, traits blend, and in incomplete dominance, traits are separate.**

LIVEWORKSHEETS