
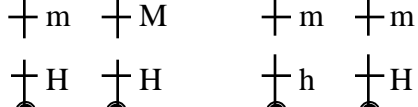
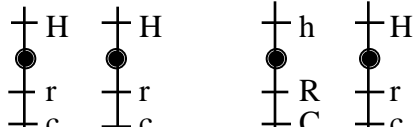
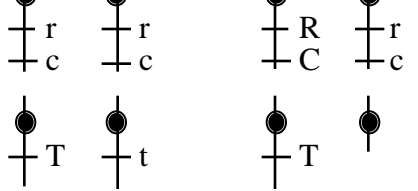
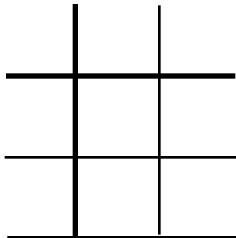


NewWorm Genetics	Two NewWorm Genotypes	
Body: Flat: BB or Bb Round: bb	NewWorm1 NewWorm2	
Mouth: Oval: ?? Slit: ??		
Head: Broad: ?? Medium: ?? Narrow: ??		
Rings: No Rings: RR or Rr Rings: rr		
Color: Green: CC Brown: Cc Black: cc		
Tail (Male): Pointed: TT or Tt Blunt: tt		
Tail (Female): Pointed: T- Blunt: t- (The Tail gene is on the X chromosome.) (The - [dash] stands for the Y chromosome.)		
Sex: Males: XX Females: XY		

MONOHYBRID INHERITANCE I

Figure out whether a baby produced by NewWorm1 and NewWorm2 will have a round body:

1a. Fill in the chart (Punnett square) to figure out possible genotypes (**BB**, **Bb**, **bb**) for a baby's body:



1b. Will a baby have a **round body**?

Definitely yes _____ Maybe _____ Definitely no _____

1c. What are the chances that a baby will have a **round body**?

0 _____ 1/4 _____ 1/2 _____ 3/4 _____ 1/1 _____

NewWorm Genetics	Two NewWorm Genotypes										
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MONOHYBRID INHERITANCE I (cont.)

Use the NewWorm1 and NewWorm2 genotypes to answer these questions about their babies.

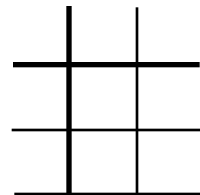
Color

2a. Will a baby be **brown**?

Definitely yes _____ Maybe _____ Definitely no _____

2b. What are the chances that a baby will be **green**?

0 _____ 1/4 _____ 1/2 _____ 3/4 _____ 1/1 _____



Tail

3a. Will a baby have a **pointed tail**?

Definitely yes _____ Maybe _____ Definitely no _____

3b. What are the chances that a baby will be **female** AND have a **pointed tail**?

0 _____ 1/4 _____ 1/2 _____ 3/4 _____ 1/1 _____

3c. If a baby is **female**, what are the chances that it will have a **blunt tail**?

0 _____ 1/4 _____ 1/2 _____ 3/4 _____ 1/1 _____

