

Name _____

Date _____

Period _____

Partner Read 4.2

Page 118- describe the probability of head vs tails. What is the definition of probability?

Page 119- mathematics of probability: why will a coin land on heads 10 out of 20 times? Explain the math behind it.

Page 119- Independence of events: explain the concept of independence of events

Page 120- probability and genetics: what mathematical principles did Mendel apply to his work? What were the probabilities of his crosses?

Page 120- Punnett squares: what does a punnett square show us? Draw one for the cross between Rr and Rr

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Page 121 Using a punnett square: explain the probability of offspring in your drawing from above.

Page 121 Predicting Probabilities: how do you know all the offspring will be black in figure 8?

Page 122 phenotypes and genotypes: in your own words define phenotype and genotype.

Figure 9- how many genotypes are there for the smooth-pod phenotype?

What is your definition for homozygous and heterozygous?

Page 123 Codominance: describe codominance and give an example.