

ACTIVITY

● Take Your Chances

You have two guinea pigs you would like to breed. Each has brown fur and the genotype Bb . What are the chances that their offspring will have white fur with the genotype bb ? Try this to find out. Stick a piece of **masking tape** on both sides of **two quarters**. Label one side of each quarter with a capital B and the other side with a lowercase b . Toss both coins 50 times, making note of your results each time. How many times did you get the bb combination? What is the probability that the next toss will result in bb ?