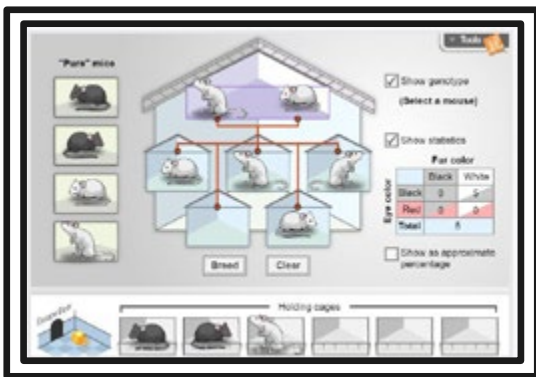


# What are Science Gizmos?

**ExploreLearning Science Gizmos** are award-winning, interactive simulations that bring research-proven instructional strategies to life and make learning fun. Students use Gizmos to interact with and explore hundreds of science topics, ranging from ecosystems to electrical circuitry. And with alignments to the latest standards, it's easy to get students ready for success.

In the **Mouse Genetics (Two Traits) Gizmo** you'll breed "pure" mice with known genotypes that exhibit specific fur and eye colors, and learn how traits are passed on via dominant and recessive genes. Mice can be stored in cages for future breeding, and the statistics of fur and eye color are reported every time a pair of mice breed. Learn about genotypes, probability, and statistics.

**Play, explore, and experience the "ah-ha!" moment with Gizmos:**

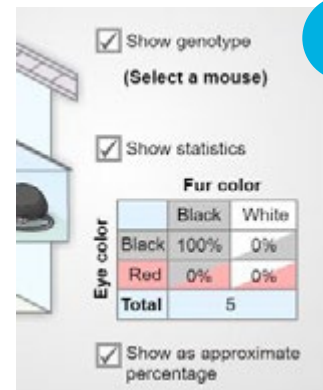


## Discover concepts

Interactive controls allow you to set up and run your simulation. Hit **Breed** to see the results or **Clear** to try something different. You're in control.

## Analyze data

Visualizations, screenshots, and graphing tools help you easily capture and compare results from experiments.



3. The table below describes 100 offspring of the same two parents. What are the most likely genotypes of the parents?

		Fur color	
Eye color		Black	White
	Black	22	27
	Red	25	26
	Total	100	

A.  $FfEe$  and  $ffee$   
B.  $ffEe$  and  $ffee$

C.  $FfEe$  and  $FfEe$   
D.  $FFEE$  and  $ffee$

## Go deeper

Inquiry-based lesson plans, customizable activities, and assessment questions create more moments to explore, discover, and apply new concepts.

