

# Make-a-Model

## *Part 1*

**Prompt: Make a model of asexual reproduction showing how a mutation(s) can cause genetic variation in the offspring.**

- Include at least two offspring in your model.
- Be sure to include arrows and labels to explain what is happening.

## *Part 2*

**Prompt: Make a model of sexual reproduction showing how a mutation(s) can cause even more genetic variation in the offspring.**

- Include at least two offspring in your model
- Be sure to include arrows and labels to explain what is happening.

***Tip:** Draw patterns on the genes to show if they are the same or different alleles (versions).*

NAME \_\_\_\_\_ DATE \_\_\_\_\_

### *Part 3*

- 1.** Put your Part 1 and Part 2 models side by side to compare them.
- 2.** Circle anything in either model that causes variation in the offspring.
- 3.** Which of the two types of reproduction has more variation? Defend your answer with specific examples from your models.