

Name \_\_\_\_\_

## How Do Ants Reproduce?

### Open-Ended Response Answer Key

1. The nuptial flight is important because it allows the queen to mate and collect sperm, which she uses to produce offspring for the rest of her life.
2. Worker ants play a crucial role by caring for the young, feeding them, and ensuring the nest is safe and clean.
3. A high number of eggs allows the colony to grow quickly and replace lost workers, ensuring the colony's survival.
4. (Example Response) I would design a feature that allows queen ants to produce more food for their young, so the colony could grow even faster in tough conditions.

