**Lady Beetles and Temperature Change:**

**Essential Facts and Vocabulary**

[Video: Five Fascinating Facts About Ladybugs](https://www.youtube.com/watch?v=OZCXGxeXj6c&t=2s)

1. During what seasons are lady beetles rarely seen, and why?

[Video: Time Lapse of Lady Beetle Life Cycle](https://www.youtube.com/watch?v=wqddneGYkc4)

1. What is the first stage of a lady beetle’s life cycle?
2. Describe the hatchlings.
3. The hatchlings are known as larvae; what do they eat?
4. Why do larvae shed their skin? How often does this happen?
5. The last time a larva sheds its skin, what emerges?
6. How much time goes by before an adult lady beetle emerges from its pupa?
7. What happens next?

[Article: “Ladybug”](https://animals.sandiegozoo.org/animals/ladybug)

1. Why are lady beetles classified as insects?
2. What is the purpose of diapause?
3. How long can lady beetles survive on “stored resources” (in other words, without eating)?
4. What triggers lady beetles to emerge from diapause?
5. What is the purpose of lady beetles’ bright red and black coloration?
6. How many species of lady beetles can be found in California? Are they all native?

Bonus questions: Use the Internet to research some additional facts about ladybugs

1. Ladybugs are not actually bugs; to what family do they belong?
2. How many species of lady beetles are there?
3. Do lady beetles bite?
4. What do lady beetles emit when threatened?
5. Is the emitted substance toxic?
6. What do lady beetles eat?
7. Why do gardeners and farmers appreciate lady beetles?
8. Are all lady beetle species carnivorous? Explain.
9. What can you feed captive lady beetles?