**Name: Period: Date:**

**Focus Questions for Chapter 11.5 (Signal Transduction) due Friday, 12/6**

# Questions to answer as you read about apoptosis. You will not be asked to turn these in, but Ms. Ransom may check to make sure you have completed them through a clicker quiz or short written response. You should be ready to discuss the answers during class.

1. What is **apoptosis**?
2. What happens during apoptosis?
3. It could be said that apoptosis is more important for the surrounding cells than the cell being destroyed. Why is this?
4. How has the nematode *C. elegans* contributed to scientists’ understanding of apoptosis? Why is *C. elegans* an important research subject?
5. In the second paragraph on page 224, the author states that “regulation occurs at the level of protein activity rather than through gene activity and protein synthesis.” Explain what this means.
6. Does apoptosis always result from the reception of an external signal? Explain.
7. List several examples of the impact (good or bad) of apoptosis on humans and other animals.

**Questions I have that I plan to ask about in class:**