**Name: Period: Date:**

**Focus Questions for Chapter 11.1 (Signal Transduction) due Tuesday, 12/3**

# Questions to answer as you read about signal transduction. 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. How do yeast cells talk about sex?
2. What is a **signal transduction pathway**? Give an example.
3. What is **quorum sensing**? What types of organisms use it? What do they use it for?
4. *Compare* and *contrast* local cell signaling with long-distance signaling. Include examples of each.
5. What are **hormones**? What types of organisms are they found in?
6. How did the work of Earl Sutherland help scientists understand signal transduction?
7. List the three steps of signal transduction and give an explanation for what occurs in each one.

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