**Name: Period: Date:**

**Focus Questions for Chapter 18.1 (Prokaryotic Gene Regulation) due Tuesday, 2/25**

# Questions to answer as you read about operons. 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 an **operator**? How does it relate to an **operon**?
2. What is the role of a **repressor (protein)**?
3. Using the *trp* operon as an example, explain the role of a **corepressor**.
4. How does a **repressible operon** differ from an **inducible operon**?
5. How is positive gene regulation (figure 18.5) different from the function of the *lac* operon in figure 18.4?

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