**Name: Period: Date:**

**Focus Questions for Chapter 18.2-3 (Eukaryotic Gene Regulation) due Wednesday, 2/26**

# Questions to answer as you read about the regulation of eukaryotic genes. 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. **DNA Methylation (p. 358)**
   1. What is it?
   2. Why is it important?
   3. Give an example:
2. **Epigenetic Inheritance (p.358)**
   1. What is it?
   2. Why is it important?
   3. Give an example:
3. **Protein Processing and Degradation (p.363-364)**
   1. What is it?
   2. Why is it important?
   3. Give an example:
4. **Effects on mRNAs by MicroRNAs and Small Interfering RNAs (p. 365)**
   1. What is it?
   2. Why is it important?
   3. Give an example: