**Name: Period: Date:**

**Focus Questions for Chapter 40.4 (Metabolism Drive Homeostasis) due Friday, 9/27**

# Questions to answer as you watch the videos and/or read about metabolism. 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 **metabolic rate** and how is it measured (what unit)? What are some different methods of determining an organism’s metabolic rate?
2. How is **basal metabolic rate (BMR)** different from **standard metabolic rate (SMR)**? How do the typical values of these rate compare?
3. Describe two major factors that affect metabolic rate.
4. Compare the differences between energy budgets of different types of organisms. What makes up the largest portion of the energy budget? The smallest?
5. What is **torpor** and what advantage does it provide?
6. What is **hibernation** and what advantage does it provide?

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