Name	Class	Date
Section 33–2 Con	trolling Body Tempera	ture (pages 854–856)
TEKS FOCUS: 12C Com	pare variations, tolerances, and adaptat	ions of animals in different biomes
This section explains how con	ntrolling body temperature is importa also describes the differences between e	nt for
Body Temperature ar	nd Homeostasis (pages 854–855)	
1. Circle the letter of each	h sentence that is true about body	temperature.
	ons in animals can be carried out r	•
b. If muscles are too c	old, they may contract slowly.	
c. If an animal gets to	o hot, its muscles will work more	efficiently.
d. The control of body	temperature is important for main	ntaining homeostasis.
•	t vertebrates need in order to contr	ŭ
a		
b		
С		
Match each description with may be used more than once.	the method of controlling body heat. A	Methods
Description		Method
3. An anima is controll	l whose body temperature ed from within	a. Ectothermb. Endotherm
4. Examples and amph	include reptiles, fishes, iibians	
5. Warm up	by basking in the sun	

6. High metabolic rates that generate a significant

7. An animal whose body temperature is mainly

8. Have feathers, body fat, or hair for insulation

9. Easily lose heat to the environment

_____ 11. Cools off by panting or sweating

determined by the temperature of its environment

amount of heat

____ **10.** Low metabolic rate

Name	Class	Date
Comparing Ectot	herms and Endotherms (page 856)	
12. Name one advan	tage and one disadvantage of endothern	my.
Advantage:		
Disadvantage:		
13. Is the following selive in cold enviro	entence true or false? Ectothermy is a mor	re energy-efficient way to

Evolution of Temperature Control (page 856)

- **14.** Circle the letter of each sentence that is true about the evolution of temperature control.
 - a. The first land vertebrates were ectotherms.
 - **b.** Scientists know when endothermy evolved.
 - c. Some biologists hypothesize that dinosaurs were endotherms.
 - d. Evidence suggests that endothermy evolved more than once.