Name	Class	Date
Chapter 32 Mammals		
Section 32–1 Intr	oduction to the Mamı	mals (pages 821-827)
TEKS FOCUS: 10A Funct TEKS SUPPORT: 7B Natural se	ions of organ systems; 11A Internal fe lection and adaptation	eedback and homeostasis;
	racteristics common to all mammals functions. It also briefly tells about r	
Introduction (page 821)		
1. List the two notable fea	tures of mammals.	
a		
b		
	characteristic of mammals.	
a. breathe air	c. ectotherm	
b. three-chambered hea	rt d. endotherm	
Evolution of Mamma	ls (page 821)	
3. What three characteristic	es help scientists identify mamma	lian fossils?
a		
b		
с		
4. The ancestors of mamm	als diverged from ancient	during the
Permian Period.		
5. Circle the letter of each	sentence that is true about the ev	volution of mammals.
a. The first true mamm	als were as large as dinosaurs.	
b. During the Cretaceo	us Period, mammals were probal	oly nocturnal.
c. After dinosaurs disa new niches.	ppeared, mammals increased in s	size and filled many
d. The Permian Period	is usually called the Age of Mam	imals.
Form and Function in	Mammals (pages 822–827)	
	mammals conserve body heat.	

- 7. Is the following sentence true or false? Mammals have a low rate of metabolism.
- ____
- **8.** Circle the letter of each way mammals are able to rid themselves of excess heat.
 - **a.** fat
- c. sweat glands
- **b.** hair
- d. panting
- 9. The ability of mammals to regulate their body heat from within is an example of
- **10.** Is the following sentence true or false? Cats and weasels are omnivores because they consume only meat. _____
- **11.** As mammals evolved, the form and function of their _____ and _____ became adapted to eat foods other than insects.
- 12. List the four types of specialized teeth found in modern mammals.
 - a. _____
- c. _____
- b. _____
- d. _____
- **13.** Is the following sentence true or false? Carnivores have a shorter intestine than herbivores. _____
- **14.** Complete the flowchart to show how cows digest their food.

Newly swallowed food is stored and processed in the ______.

Symbiotic bacteria in the rumen digest the ______ of most plant tissues.

The cow ______ the food from the rumen into its mouth, and food is chewed and swallowed again.

The food is swallowed again and moves through the rest of the _____ and _____.

Name		Class	Date
15. How does	the diaphragm work to	help move air into	and out of the lungs?
		1 224 1 1	
	O .		e a four-chambered heart that dy
	-		stasis?
,	of the mammalian brain t	with its function. Function	
	medulla oblongata		inking and learning
	cerebral cortex		inking and learning cular coordination
20.			oluntary body functions
	cerebellum	d. Part of the cere	ebrum that is the center of other complex behaviors
	wing sentence true or fa der and pelvic girdles f		e a rigid backbone, as well as
23. Mammals 1	eproduce by	fertiliza	ation.
24. Is the follow	wing sentence true or fa	alse? All mammals a	are viviparous, or live-bearing.
25. What do yo	oung mammals learn fr	om their parents? _	