

Ch 26.1. Introduction to Animal Kingdom. Biology. Landis

Personal identifying word(s) _____

This section describes characteristics that all animals share and the essential functions that animals carry out. It also explains the important trends in animal evolution.

What Is an Animal? (page 657)

1. What characteristics do all animals share?

2. Complete the table about animals.

CATEGORIES OF ANIMALS

Category	Percentage of Species	Description	Examples
		Animals without backbones	
		Animals with backbones	

What Animals Do to Survive (pages 658-659)

3. What are seven essential functions that animals carry out?

4. Complete the table about feeding.

TYPES OF FEEDERS

Type of Feeder	Description
	Feeds on plants
Carnivore	
Filter feeder	
	Feeds on decaying plant and animal material

5. What does an animal do when it respire?

6. What does the excretory system of most animals do?

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7. Animals respond to events in their environment using specialized cells called

8. What are receptors, and what is their function?

9. What does it mean that an animal is motile?

10. What enables motile animals to move around?

11. Circle the letter of the process that helps a species maintain genetic diversity.

a. asexual reproduction

c. response

b. movement

d. sexual reproduction

12. What does asexual reproduction allow animals to do?

Trends in Animal Evolution (pages 660-663)

13. What are four characteristics that complex animals tend to have?

14. How have the cells of animals changed as animals have evolved?

15. Groups of specialized cells form _____, which form organs, which form

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16. Complete the table about body symmetry.

BODY SYMMETRY

Type of Symmetry	Description	Examples
	Body parts that repeat around the center	
	A single plane divides the body into two equal halves	

17. In an animal with radial symmetry, how many imaginary planes can be drawn through the center of the animal that would divide the animal in half?

18. Match the term with its meaning.

Term	Meaning
anterior	a. Upper side
posterior	b. Back end
dorsal	c. Front end
ventral	d. Lower side

19. A body that is constructed of many repeated and similar parts, or segments, exhibits

20. What is a body cavity?

21. Why is having a body cavity important?

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