



**Life and Environmental Sciences
Processes of Life**

Additional FCAT Practice Questions

Directions: Select the best answer for each of the following questions

1. ALS is a disease that attacks and damages the system of the body sends messages from the brain to the muscles. What body system does ALS directly affect?
 - A. Skeletal system
 - B. Muscular system
 - C. Nervous system
 - D. Digestive system

2. The digestive system breaks down the food you ingest. Which of the following is another function of the digestive system?
 - A. Absorbing nutrients
 - B. Eliminating wastes
 - C. Absorbing oxygen
 - D. Fighting infection

3. Which two body systems are directly responsible for supporting and moving the body?
 - A. Circulatory and skeletal systems
 - B. Skeletal and nervous systems
 - C. Muscular and circulatory systems
 - D. Muscular and skeletal systems

4. Which system defends your body when you have an infection?
- A. Digestive system
 - B. Immune system
 - C. Circulatory system
 - D. Muscular system
5. When you take a breath, your chest expands drawing air into your lungs. The lungs then absorb oxygen from the air. Which two body systems are involved in taking a breath?
- A. Respiratory and circulatory systems
 - B. Muscular and respiratory systems
 - C. Circulatory and muscular systems
 - D. Skeletal and respiratory systems
6. A newt is a predator that will eat worms and insects such as crickets.

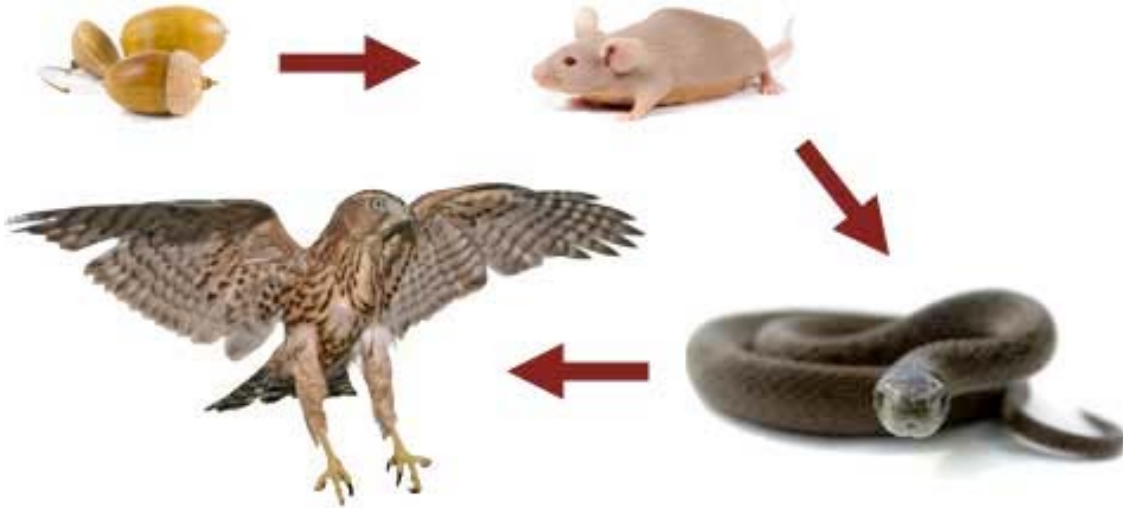


Crickets eat any type of vegetation such as grass and leaves. Hawks eat snakes, and snakes will eat newts. Which of the following represents the flow of energy between a hawk and grass?

- A. Grass → cricket → newt → snake → hawk
- B. Hawk → snake → newt → cricket → grass
- C. Grass → newt → cricket → snake → hawk
- D. Grass → cricket → newt → hawk → snake

7. Use the following information to answer the next 3 questions.

A certain food chain includes snakes, hawks, seeds and mice.



If the food chain were represented as a food pyramid, which one would be at the base of the pyramid?

- A. Seeds
 - B. Mice
 - C. Snakes
 - D. Hawk
8. Considering the food chain that includes snakes, hawks, seeds and mice, what BEST describes the snake?
- A. Flow of oxygen
 - B. Flow of wastes
 - C. Flow of water
 - D. Flow of energy
9. Considering the food chain that includes snakes, hawks, seeds and mice, what BEST describes the snake?
- A. The snake is a producer.
 - B. The snake is the predator.
 - C. The snake is the prey.
 - D. The snake could be predator or prey.

10. On a walk through the park, Shyrstyne see a maple seed and hawk.



How are maple seeds and hawks alike?

- A. They both have structures that help them stay warm.
- B. They both have structures that help them move in the air.
- C. They both can produce their own food.
- D. The both have structures to help them catch food.

Answers

1. C
2. A
3. D
4. B
5. B
6. A
7. A
8. D
9. D
10. B