

Lesson Check: Flow of Energy

1) Consumers produce their own food.

- True
- False

2) Energy cycles through ecosystems because it returns to the Sun.

- True
- False

3) Available energy increases as it is transferred from one organism to another in a food chain.

- True
- False

4) Which of the following would eat a dead rabbit?

- A)** carnivore
- B)** detritivore
- C)** herbivore
- D)** omnivore

5) Which of the following would eat a hamburger with lettuce on it?

- A)** carnivore
- B)** detritivore
- C)** herbivore
- D)** omnivore

Lesson Check: Flow of Energy

6) Which of the following eats only eucalyptus leaves?

- A) carnivore
- B) detritivore
- C) herbivore
- D) omnivore

7) Which is most likely the first step in a basic food chain?

- A) The snake obtains energy by eating the mouse.
- B) Plants make energy-rich food using sunlight.
- C) The Sun emits energy.
- D) The hawk obtains energy by eating the snake.

8) Which of the following organisms would NOT be in the first trophic level of an energy pyramid?

- A) dog
- B) tree
- C) grass
- D) algae

9) Which is a model of feeding relationships?

- A) protein building
- B) food map
- C) food web
- D) sugar molecules

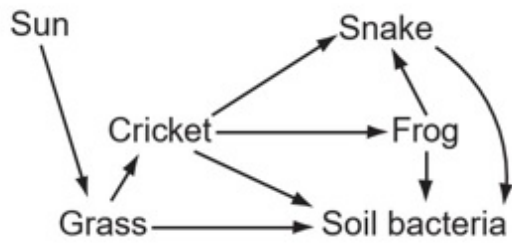
Lesson Check: Flow of Energy

10) As you move upward, from level to level, in an energy pyramid, available energy _____.

- A) decreases
- B) increases
- C) stays at the same level
- D) is destroyed

Lesson Check: Flow of Energy

11) This food web that shows the interaction of the organisms in an ecosystem.



a. Complete the table by matching the numbers with the organisms in the food web to show the interaction in the ecosystem.

Organisms in an Ecosystem

Organism	Energy Source	Eaten By
1	Cricket	Snake
2	Frog, cricket	—
3	Grass	Frog, snake
4	Sun	Cricket
5	All dead organisms	—

Student Name: _____

Date: _____

Lesson Check: Flow of Energy

b. Describe the cycling of matter and the flow of energy within the ecosystem.