

Mathematics Readiness Assessment

7. Simplify. $20 + 3^2 + (5 - 4)^3$

- (A) 27
- (B) 29
- (C) 30
- (D) 32

10. If $\frac{5}{8} = \frac{x}{10}$, then what is x?

- (A) $\frac{4}{25}$
- (B) $\frac{25}{4}$
- (C) 7
- (D) 400

8. Simplify. $(0.2)^3$

- (A) .008
- (B) .08
- (C) .8
- (D) 8

11. If $\frac{18}{25} = \frac{x}{140}$, then what is x?

- (A) 98
- (B) 100.8
- (C) 126
- (D) 194.4

9. What is the value of a? $\frac{a}{20} = \frac{1}{5}$?

- (A) 4
- (B) 5
- (C) 10
- (D) 100

12. Simplify. $20,000 + (10 \cdot 10^4)$

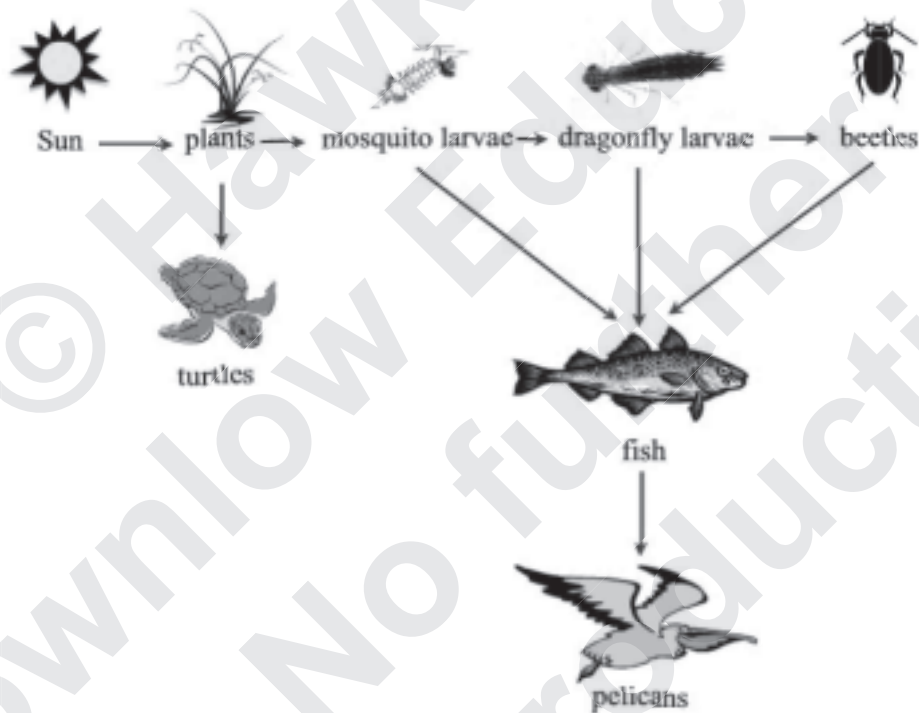
- (A) 31,000
- (B) 40,000
- (C) 120,000
- (D) 140,000

"Do You Already Know This Science?"

1. Which organism below invaded the waters of the Great Lakes region of the United States about 1988 and created much environmental damage?

- (A) gypsy moth
- (B) zebra mussel
- (C) asian ladybeetle
- (D) purple loosestrife

Directions: Use the diagram below to answer numbers 2-3.



2. Which of these animal populations will most likely decrease first if all of the fish are removed from this food chain?

- (A) turtles
- (B) pelicans
- (C) mosquito larvae
- (D) dragonfly larvae

Activity 1: Hitchhikers Create Menace

1a. Do an Internet search for the Northern Snakehead fish. To help guide your search respond to the following questions:

1b. The Northern Snakehead fish is native to what countries?

1c. When and where was it introduced in the United States?

1d. How was it introduced into natural waterways?

1e. What is the length an adult Northern Snakehead fish can grow?

Cooperative Learning (Lantz, 2004)

Name: _____ Date: _____ Course/Class: _____

Task/Assignment: _____

Performance Criteria

1. My group completed all that was expected.
2. I accomplished my assigned task within the group.
3. My actions and behaviour made significant contributions to the total group effort.
4. I listened to and respected others and their ideas.
5. I got others involved by asking questions, challenging and/or requesting information.
6. Working in the group helped me learn more than if I had worked alone.

Assessment			
Points	Self	Teacher	Other(s)

Comments

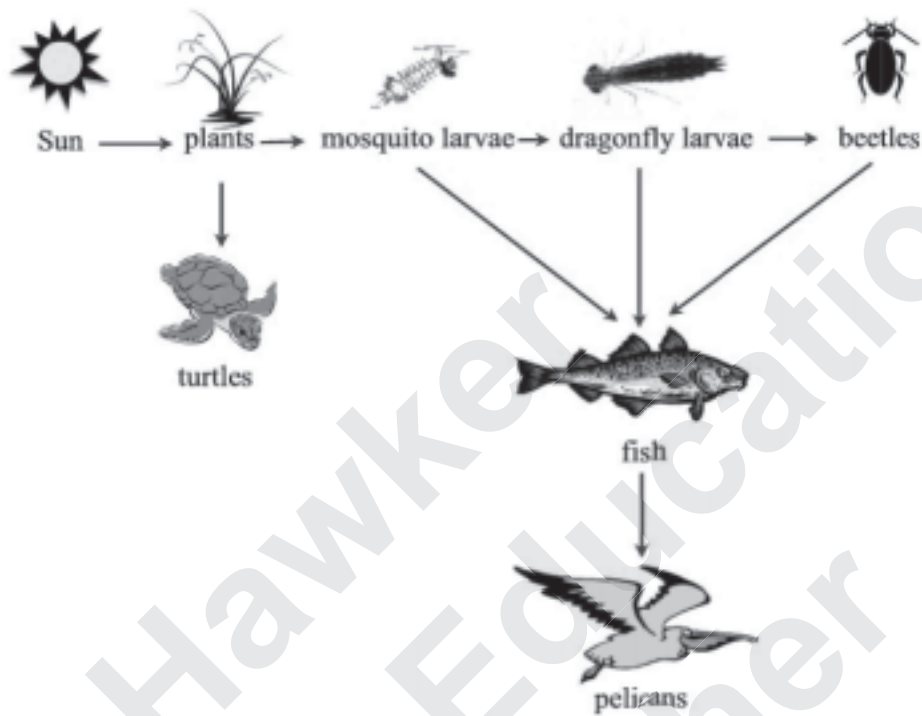
Goals

Actions

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Module Test for *The Great Mixing Bowl*

Directions: Use the food web below to answer number 1–2.



1. Which of these animal populations will most likely decrease first if all of the fish are removed from this food web?
 - (A) turtles
 - (B) pelicans
 - (C) mosquito larvae
 - (D) dragonfly larvae
2. This food web is an example of a food web that would be found in a (an)
 - (A) aquatic ecosystem.
 - (B) terrestrial ecosystem.
 - (C) deciduous forest ecosystem.
 - (D) desert ecosystem.