

Protecting the blue planet

NAME	
INVINE	
DATE	

# Blue Impact: Shorebirds Student Sheet

#### **DIRECTIONS**

Answer the following questions while watching the New England Aquarium's Blue Impact **Shorebirds on Stage** video. It is a good idea to read all the questions before you start the video. You may also need to pause or replay sections to help you answer the questions.

### **QUESTIONS**

- 1. What is the maximum distance that some shorebirds can migrate?
  - a. 15,000 miles
  - b. 9,000 miles
  - c. 10,000 miles
  - d. 5,000 miles
- 2. How long is the Red Knot's migration?
  - a. 15,000 miles
  - b. 9,000 miles
  - c. 10,000 miles
  - d. 1,000 miles

. What is a staging site?					

# 4. Label the map here with the following terms:

a. South America

g. West

b. North America

h. Tierra del Fuego staging site

c. Central America

i. Delaware staging site

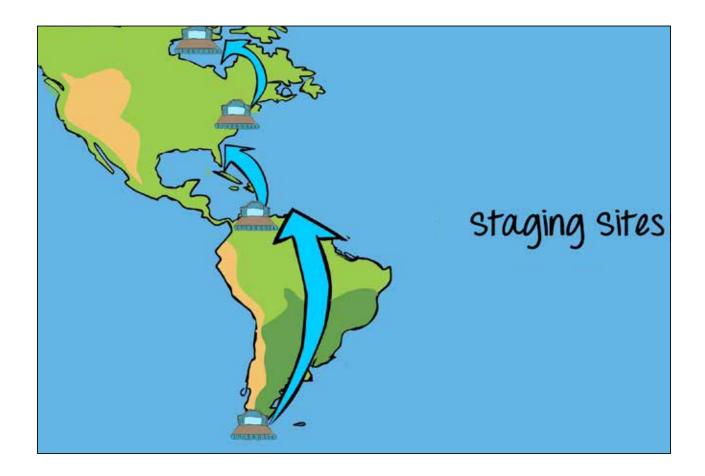
d. North

i. Canada staging site

e. South

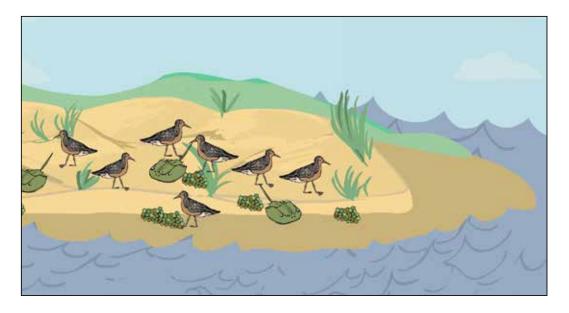
k. Brazil staging site

f. East



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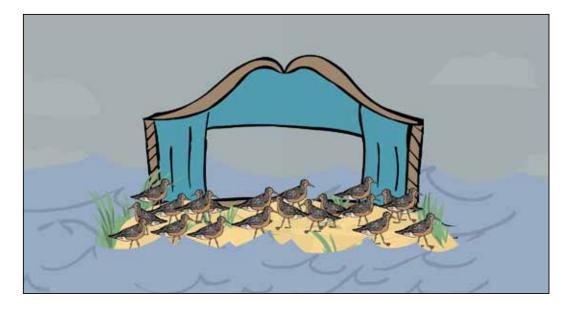
5. Describe what happens between horseshoe crabs and Red Knots at the staging site in Delaware. You may refer to this image to help you explain.



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6. How is climate change threatening Red Knots and horseshoe crabs? You may refer to this image to help you explain.



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# **CHALLENGE QUESTIONS**

Use the following websites to help you research the two challenge questions.

http://horseshoecrab.org/ www.arkive.org/ (Search for "horseshoe crab.") http://eol.org (Search for "horseshoe crab.")

4					
1. '	C	lass	ITIC	atı	on

Fill in the table with the following information on the horseshoe crab.

Kingdom		
Phylum		
Class		
Order		
Family		
Genus		
Species		
Are horsesh Give details	dence, Reasoning oe crabs true crabs (i.e. are they closely related to rock crabs, h of your answer by: claim (a statement or conclusion that answers the original quest	

<ul> <li>Supporting your claim with evidence (scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim).</li> </ul>
c. Explaining your reasoning (a justification that connects the evidence to the claim. It shows why the data counts as evidence by using appropriate and sufficient scientific principles).

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