

NEWS BREAK

Sunday's News Break selects an article from Sunday, April 10, 2016 of The Seattle Times e-Edition for an in-depth reading of the news. Read the selected story and answer the attached study questions.

Maritime 101: Washington Maritime Matters (NIE special section, Read page J10 - Smart Cruising for Sustainability)

Pre-Reading and Vocabulary

1. What does maritime mean? Why do you think the maritime industry is important to Washington state? What types of jobs or businesses can you think of in Washington that are part of the maritime industry?
2. **Vocabulary: Match the words to the numbered definitions in the chart below.**

A. berth	1. the careful use of natural resources (such as trees, oil, etc.) to prevent them from being lost or wasted
B. component	2. a fuel (such as coal, oil, or natural gas) that is formed in the earth from dead plants or animals
C. condensation	3. involving methods that do not completely use up or destroy natural resources
D. conservation	4. a place in the water near the shore where a ship stops and stays
E. consumption	5. a unique set of characteristics, actions, etc., that leave a trace and serve as a means of identification
F. convert	6. someone who protects or is responsible for money, property, etc.
G. effluent	7. the use of something (such as fuel)
H. emissions	8. an amount of something
I. footprint	9. an important piece of something
J. fossil fuels	10. to change (something) into a different form or so that it can be used in a different way
K. purification	11. water that has been used in washing, flushing, manufacturing, etc.; sewage.
L. steward	12. the act of producing or sending out something (such as energy or gas) from a source; something sent out or given off
M. sustainability	13. to remove dirty or harmful substances from (something)
N. volume	14. small drops of water that form on a cold surface
O. wastewater	15. liquid (such as sewage or industrial chemicals) that is released as waste

Comprehension

1. Many cruise ships today are equipped with advanced wastewater _____ systems that treat black water. **(Fill in the blank)**
2. What type of water represents the largest volume of wastewater generated on a cruise ship and comes from cabin sinks, showers, and laundry facilities?
3. What does black water refer to on cruise ships?
4. Holland American Line's advanced wastewater treatment systems treat wastewater on their cruise ships to produce an effluent that exceeds international regulations for cleanliness – **true or false?**
5. What is approximately 30 percent of the fresh water used on board Holland American Line ships produced from?
6. A best practice used in water conservation includes using _____ water for deck washing. **(Fill in the blank)**
7. Give two examples mentioned in the article of best practices that Holland uses to minimize, manage and recycle more than two-thirds of the waste that is collected on a cruise ship
8. Installing hull coverings on cruise ships reduces fuel _____ while sailing. **(Fill in the blank)**
9. What do six of Holland's 13 ships now use while at berth?
10. Programs such as replacing lighting with energy-efficient LED lighting, and encouraging people to turn off lights and electronics when not in use have been implemented by Holland to decrease the demand for what?

Additional Activities

1. Read the following sentence from the article: ***“Responsible energy management is an important component of our sustainability strategy – it's one of the most power levers we have to reduce our environmental footprint.”*** What is an environmental footprint? Do you agree with this statement from the article – why or why not? What other things can people and businesses do to reduce their environmental footprints? What things do you currently do at home or at school to practice sustainability? Are they similar to ones mentioned in the article? What additional things could you do to reduce your environmental footprint?
2. Look through the “Maritime 101: Washington Maritime Matters” special section to see what types of jobs are available in the maritime industry. Then think about a maritime job you might be interested in and research to find out what job skills, training and education are needed for that particular job/career as well as what the average starting pay is. Write a short summary about what you learned.

News Break is posted to the Web on Wednesday and Friday. Please share this NIE News Break program with other teachers. To sign-up for the electronic edition for your class, please register on-line or call 206/652-6290 or toll-free 1-888/775-2655.

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Answer Key to Vocabulary

- A. 4
- B. 9
- C. 14
- D. 1
- E. 7
- F. 10
- G. 15
- H. 12
- I. 5
- J. 2
- K. 13
- L. 6
- M. 3
- N. 8
- O. 11

Answer Key to Comprehension Questions

1. purification
2. gray water
3. Black water refers to waste from toilets and medical facility sinks.
4. True
5. Seawater
6. condensation
7. Recycling paper, glass, metal and other materials. Minimizing the use of packaging, especially plastics. Using bulk dispensers for condiments and food items as well as bathroom toiletries. (Answers may vary - only two examples necessary)
8. Consumption
9. They now use local shore power while at berth.
10. Fossil fuels