

Proves d'accés a la universitat per a més grans de 25 anys

Llengua estrangera Anglès

Sèrie 3

Fase general

Qualificació parcial			TR
Qüestions d'opció múltiple	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
Qualificació			

La suma parcial de les qüestions d'opció múltiple no pot ser inferior a 0 punts.

Qualificació total			TR
Qualificació parcial			
Qüestions	9		
	10		
Suma de notes parcials			
Qualificació final			

Qualificació

Etiqueta de l'alumne/a

Opció d'accés:

- ☐ A. Arts i humanitats
☐ B. Ciències
☐ C. Ciències de la salut
☐ D. Ciències socials i jurídiques
☐ E. Enginyeria i arquitectura



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Universitat Autònoma de Barcelona



Universitat de Lleida



HOW MUCH DO WHALES REALLY EAT?

The biggest animals to have ever lived on Earth eat much more food than scientists used to think. According to a new study, whales consume around three times more each year than previously suggested. A blue whale might eat between 10 and 20 tons of food a day, which is somewhere between 20 and 50 million calories a day.

Researchers first became interested in how much whales ate because they wanted to know how much pollution they were ingesting. They found that earlier estimates of what whales eat were either based on the stomach contents of dead whales, which might not reflect a typical situation, or on estimates from the caloric needs of smaller mammals. Today researchers use an underwater device and sonar to measure the size and density of **swarms** of krill, the small crustaceans similar to **shrimp** that whales consume. As a result of eating so much krill, whales expel tons of excrement containing a high concentration of iron. This iron is “recycled” into the ocean and is an important source of nutrients for many sea creatures.

Many generations ago, sailors first described the seas around Antarctica as being red because there was so much krill. Scientists now think that the iron expelled by whales helped to sustain krill. In the 19th and 20th centuries, millions of whales were killed and today, with few whales in the oceans, the amount of iron—and as a result, the amount of krill—has fallen and the seas are not red anymore.

Text adapted from an article by

Nell GREENFIELDBOYCE. *National Public Radio* (online) (November 3, 2021)

swarm: banc [de krill] / banco [de krill]

shrimp: gambeta / camarón

Després d'haver llegit el text, responeu a les qüestions seguint les instruccions que es donen en cada cas. Cada qüestió val un punt. En les qüestions d'opció múltiple, es descomptaran 0,33 punts per cada resposta incorrecta; per les qüestions no contestades no hi haurà cap descompte. En les altres qüestions, es descomptaran 0,05 punts per cada falta d'ortografia, de morfologia, de lèxic o de sintaxi. Les faltes repetides només es comptaran una vegada.

Después de leer el texto, responda a las cuestiones siguiendo las instrucciones que se dan en cada caso. Todas las cuestiones valen un punto. En las cuestiones de opción múltiple, se descontarán 0,33 puntos por cada respuesta incorrecta; por las cuestiones no contestadas no habrá ningún descuento. En las demás cuestiones, se descontarán 0,05 puntos por cada falta de ortografía, de morfología, de léxico o de sintaxis. Las faltas repetidas solo se contarán una vez.

Choose the correct answer (1-8).

1. Scientists now believe that
 - a) whales mostly feed on other whales.
 - b) whales can eat more than 10 tons of food in one day.
 - c) whales can survive with relatively few calories given their size.
 - d) the population of whales in the ocean is rapidly increasing.
2. Which of the following best describes the findings of the new study mentioned in the text?
 - a) Whales eat more food than previously thought.
 - b) Whales eat less food than previously thought.
 - c) Whales are dying from ingesting too much iron.
 - d) Whales make the oceans appear red.
3. Scientists first started studying the food whales eat primarily because
 - a) they wanted to find out why so many whales were dying.
 - b) they wanted to study the effects of pollution on whales.
 - c) they wanted to design new trading routes for container ships to avoid the whales.
 - d) they wanted to protect whales from hunters.

4. How did earlier scientists use to calculate how much whales eat?
 - a) They studied whales in captivity.
 - b) They controlled the amount of food in an area in the ocean.
 - c) They projected the amount of food based on food eaten by other animals.
 - d) They used computer programs to estimate the food they eat.
5. Why does whale excrement contain a high concentration of iron?
 - a) Because of human-induced pollution eaten by whales.
 - b) Because the crustaceans they eat have a lot of iron.
 - c) Because whales mostly feed on algae that is rich in iron.
 - d) The statement is false; whale excrement does not contain a high concentration of iron.
6. Why would 19th century sailors have described ocean seas as red?
 - a) Because the seas were full of iron oxide residue.
 - b) Because there were large amounts of red algae.
 - c) Because they were full of shrimp-like creatures.
 - d) Because they were full of the blood of dead whales.
7. Which of the following is a proper, grammatical reformulation of *As a result of eating so much krill* in the sentence “As a result of eating so much krill, whales expel tons of excrement containing a high concentration of iron”? Make sure your reformulation does not change the meaning of the original.
 - a) Although they eat so much krill
 - b) Despite eating so much krill
 - c) Nevertheless, upon eating so much krill
 - d) Since they eat so much krill
8. Which of the following expressions is synonymous with, and can replace with no change in meaning, *anymore* in the phrase “the seas are not red anymore”?
 - a) any longer
 - b) further
 - c) no more
 - d) sometime

Please answer the following questions in English. (Please do not copy text but rather answer in your own words; your answers should be between 40 and 60 words in length.)

9. How have the methods used to measure the amount of food whales eat changed over the years?

10. Describe in your own words the circular relationship between whales and krill.

TR	Observacions:
Qualificació:	Etiqueta del revisor/a

Etiqueta de l'alumne/a



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