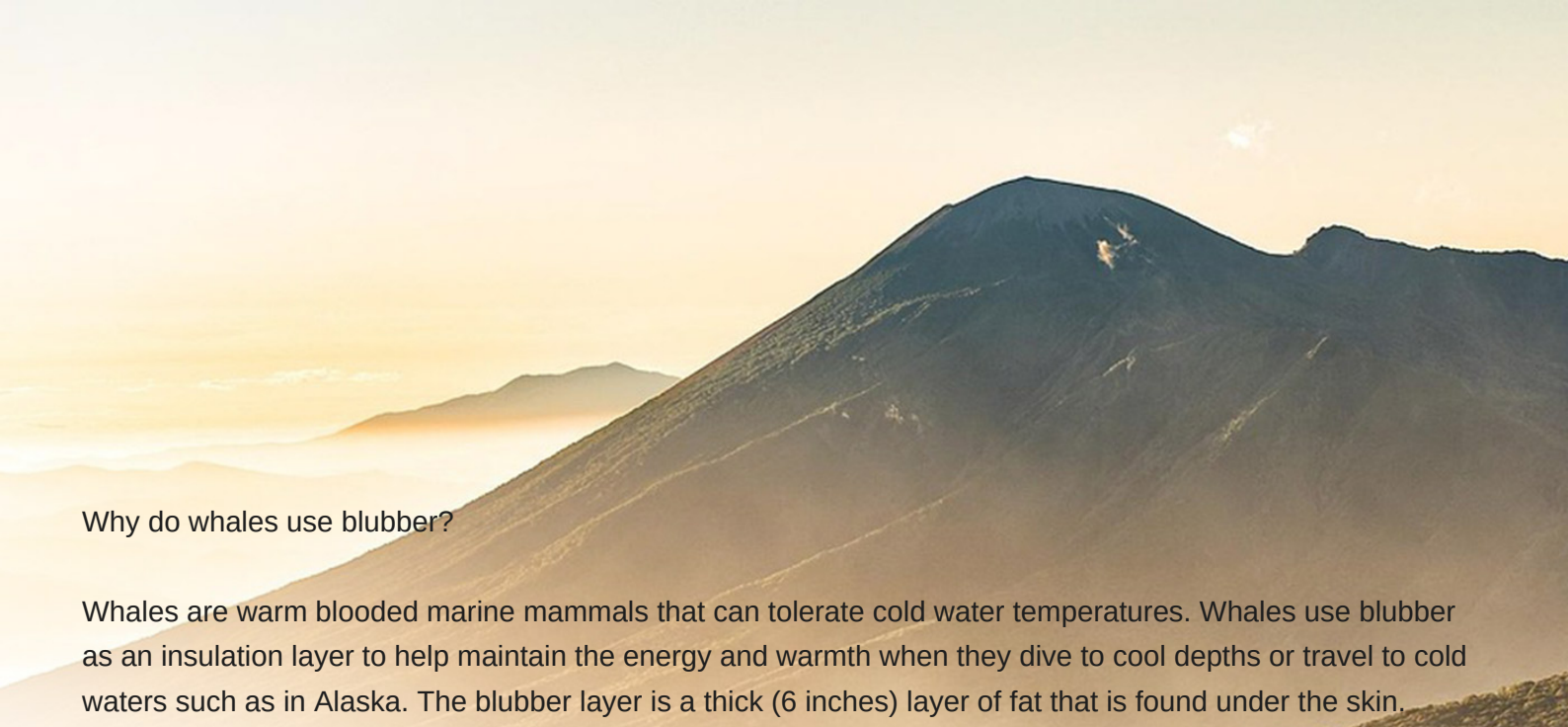


Why do whales use blubber?

Whales are warm blooded marine mammals that can tolerate cold water temperatures. Whales use blubber as an insulation layer to help maintain the energy and warmth when they dive to cool depths or travel to cold waters such as in Alaska. The blubber layer is a thick (6 inches) layer of fat that is found under the skin.

How do whales maintain energy balance?

The energy balance of any animal is maintained by matching energy intake with energy expenditures over time. For large whales,the general strategy is to optimize energy intake by selecting seasonally high caloric food in large quantities in areas where it is abundant (Lockyer,1981,Thomson,2002,Costa and Williams,1999).

Are whales warm blooded?

Whales are warm blooded marine mammals that can tolerate cold water temperatures. Whales use blubber as an insulation layer to help maintain the energy and warmth when they dive to cool depths or travel to cold waters such as in Alaska.

Who contributed to the research on whale insulation?

Thomas Albert, James Gessaman, John Reynolds III, Matthew Sturm, Doug Goering, Pham Quang, and Judy Zeh offered suggestions and assisted with the heat flow analyses and statistical modeling. We appreciate Edward Hopson Sr.'s comments on whale insulation.

What is a large whale energy estimate?

Most large whale energetic estimates are based on an allometric relationship between body mass and basal metabolic rate,known as the Kleiber law(Kleiber,1975,Costa and Williams,1999,Fortune et al.,2013,Laidre et al.,2007,Lockyer,2007).

What is whale oil used for?

Whale oil was a primary ingredient in soap,margarine,and oil-burning lamps. Today,some indigenous Arctic

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

communities,such as the Inuit,still harvest blubber and render it for use in traditional whale-oil lamps. The whaling industry dwindled as petroleum and natural gas replaced whale oil as a major fuel source.

lipids that store energy and provide insulation . proteins that provide the building blocks for the structural components of organisms . 13. Multiple Choice. Edit. 2 minutes. Which type of molecule do whales use for energy storage and insulation? DNA . glucose . lipids. starch. 26. Multiple Choice. Edit. 2 minutes.

Which two organic molecules are the main sources of energy in an organism? Lipids and Carbohydrates. The most abundant substance in any living thing is. H2O. In what section of the chart do "monosaccharides" belong? as _____ is to carbohydrates. starch. Which type of molecule do whales use for energy storage and insulation? fat. About us

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

Blubber is a thick layer of fat, also called adipose tissue, directly under the skin of all marine mammals.. Blubber covers the entire body of animals such as seals, whales, and walruses???except for their fins, flippers, and flukes.Blubber is an important part of a marine mammal 's anatomy stores energy, insulates heat, and increases buoyancy.. Storing Energy ???

Final answer: Whales use fat for both energy storage and insulation.This serves as a long-term energy reserve and helps them cope with cold marine environments. Explanation: The type of molecule that whales use for energy storage and insulation is fat.Like most mammals, whales rely on fat because it acts as a long-term energy storage solution, storing more energy per gram ???

Which type of molecule do whales use for energy storage and insulation? DNA. glucose. fat. starch. 31 of 48. Term. Which most directly controls the rate at which food is broken down to release energy? Which type of molecule do whales use for energy storage and insulation? Choose matching definition. DNA. glucose. fat. starch. Don''t know? 31

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

Which type of molecule do whales use for energy storage and insulation? About us. About Quizlet; How Quizlet works; Careers; Advertise with us; Get the app; For students. Flashcards; Test; Learn; Solutions; Q-Chat: AI Tutor; Spaced Repetition; Modern Learning Lab; Quizlet Plus; For teachers. Live; Checkpoint; Blog; Be the Change; Quizlet Plus

Which type of molecule do whales use for energy storage and insulation? DNA . Glucose . Fat . Starch . 34. Multiple Choice. Edit. 30 seconds. 1 pt. Enzymes are classified as which type of organic molecule? Carbohydrate . Lipid. Protein . Nucleic ???

Which type of molecule do whales use for energy storage and insulation? A. DNA. B. Fat. C. Glucose. D. Starch. Explanation Whales use fat molecules for energy storage and insulation. Fat is an efficient form of energy storage because it contains more than twice the amount of energy per gram compared to carbohydrates like glucose or starch

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

Whales use blubber for energy storage and insulation. Explanation: Whales use blubber for energy storage and insulation. Blubber is a thick layer of adipose tissue that helps whales retain heat and prevent heat loss in cold water environments. It acts as an insulating layer and provides a long-term storage of energy in the form of triglycerides.

insulation. provide quick energy. 300s. Q 10. What is the function of nucleic acids? serve as enzymes. carry genetic information. protection. provide quick energy. Which type of molecule do whales use for energy storage and insulation? DNA. glucose. starch. fat. 300s. Q 15. What type of organic molecules are enzymes? nucleic acids

Q ATP is the molecule that is used to provide energy necessary to power cellular functions, and as a result, it is often c Answered over 90d ago Q Hi Tutors, This is just a little discussion question from my online class discussion.

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

clude information about: -what the energy source is -what it can be used for -how it can help the environment, including how it is better than the use of fossil fuels Option 2: Research ways humans negatively impact the environment (aside from the energy issue in Option 1), pick one, and come up with a creative idea to address the issue.

Which type of molecule do whales use for energy storage and insulation? fat. proteins. glucose. carbohydrate. 1 of 72. Term. Nucleic acids contain only one type of molecule, while proteins contain multiple types. Nucleotides link together to form a nucleic acid. Amino acids link together to form a protein.

The energy balance of any animal is maintained by matching energy intake with energy expenditures over time. For large whales, the general strategy is to optimize energy intake by selecting seasonally high caloric food in large quantities in areas where it is abundant (Lockyer, 1981, Thomson, 2002, Costa and Williams, 1999).Once found, they fine-tune their energy and ???

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

SUMMARYSeasonal trends in energy storage of the minke whale (Balaenoptera acutorostrata), a capital breeder, were investigated in Iceland, a North Atlantic feeding ground. The aim was to better understand the energy acquisition strategies of minke whales and the energetic costs that different reproductive classes face during the breeding season. We ???

Study with Quizlet and memorize flashcards containing terms like Which type of molecule do whales use for energy storage and insulation?, What is the most direct function of carbohydrates in the human body?, The subunits of protein are and more.

Which type of molecule do whales use for energy storage and insulation? a. DNA b. fat c. glucose d. starch; An enzyme is a kind of which molecule? a) Protein b) Lipid c) Carbohydrate d) Amino Acid; Which molecule listed is a protein? a. Monosaccharides. b. Fatty acids. c. Nucleotides. d. Amino acids. What macromolecules use glycosidic linkage? a.

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

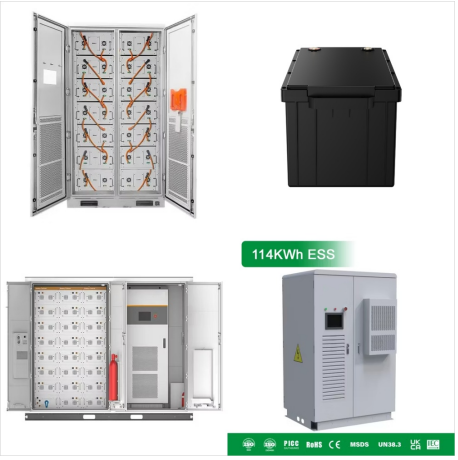
Which molecule was most likely used by the protein as an energy source?, Substance A is converted to substance B in a metabolic reaction. Which type of molecule do whales use for energy storage and insulation? fat. What are the subunits of DNA and their function? nucleotides that store information. Why is protein an important part of a

Which type of molecule do whales use for energy and insulation? starch | Study . Which is macromolecule provides thermal insulation for the body? * A. lipid B. protein C. nucleic acid B. carbohydrate 2. 1. Which type of macromolecule stores energy and provides thermal insulation for the body? * 2.

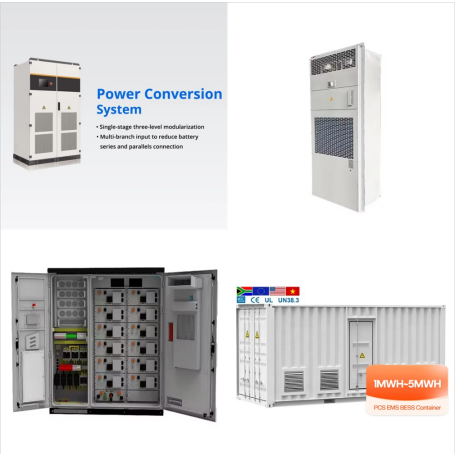
A. nucleotides that store information B. monosaccharides that provide quick energy for the cell C. lipids that store energy and provide insulation D. proteins that provide the building blocks for the structural components of organisms 4. Which type of molecule do whales use for energy storage and insulation? A. DNA B. glucose C. fat D. starch

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

Which type of molecule do whales use for energy storage and insulation? A nucleotides that store information B monosaccharides that provide quick energy for the cell C lipids that store energy and provide insulation D proteins that provide the building blocks for the structural components of organisms.



Which type of molecule do whales use for energy storage and insulation? Fat. What are the subunits of DNA and their function? nucleotides that store information. What type of organic molecules are enzymes? proteins. Which organic molecule is paired with its basic building block? nucleic acid : nucleotides. Which is a function of lipids?



Both dissolve nutrients in the digestive system., A biological molecule is analyzed, and it is discovered that the molecule is composed of several amino acids. Which of these identifies the biological molecule? It is a lipid It is a protein. Which type of molecule do whales use for energy storage and insulation? DNA glucose fat starch. fat.

WHAT MOLECULE DO WHALES USE FOR ENERGY STORAGE AND INSULATION

Study with Quizlet and memorize flashcards containing terms like Which is the correct representation of energy flow through an ecosystem? a. consumers ??? producers ??? sun b. sun ??? consumers ??? producers c. autotrophs ??? heterotrophs ??? sun d. sun ??? autotrophs ??? heterotrophs, There are usually no more than four trophic levels in a food chain. Which best ???