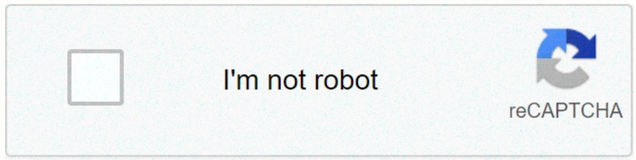

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Strong acids and bases are classified as

Any gift to the Arthritis Foundation will help people with arthritis in the US live their best lives. Join us and become a champion of yes. There are many volunteers. Join to be among those who are changing life today and changing the future of arthritis. Proud partners of the Arthritis Foundation commit annually to directly supporting the foundation's mission. Any gift to the Arthritis Foundation will help people with arthritis in the US live their best lives. Whether it's supporting cutting-edge research, 24/7 access to individual care, resources and tools for daily living, and more, your gift will change on life. Make a donation Help millions of people who live with less pain and fund groundbreaking research to discover a cure for this devastating disease. Please donate your much-needed donation to the Arthritis Foundation now! Become a member of the Arthritis Foundation today for only 20 dollars. Get a year of Arthritis Today magazine, access to helpful tools, resources, and more. Make an honor or a Memorial Gift Honor to a loved one with a meaningful donation to the Arthritis Foundation. We will send a handwritten card to the Honoree or his family informing them of your thoughtful gift. Gift planning I want information about ways to remember the AF in my will, trust or other financial planning vehicles. Other ways to give match gift Donate a car donor advise fund by participating in the Live Yes! INSIGHTS review, you will be among those who change lives today and change the future of arthritis, for themselves and for 54 million others. And all it takes is only 10 minutes. Your shared experiences will help: - Lead to more effective treatments and outcomes - Develop programs to meet the needs of you and your community - Design a powerful agenda that fights for you Now is the time to make your voice count for yourself and the entire arthritis community. Currently, this program is for the adult arthritis community. As the needs of the juvenile arthritis (YES) community are unique, we are currently working with experts to develop a tailored experience for YES families. By sharing your experiences, you show decision makers the realities of life with arthritis and pave the way for change. They help to break down barriers to care, inform research and create resources that can affect people's lives, of your own, change. Getting Started As a Partner, you help the Arthritis Foundation provide life-changing resources, science, advocacy, and community connections for people with arthritis, the leading cause of disability. Join us today and help you as Champion of Yes. TrailblazerS Our Trailblazers are dedicated partners who are willing to show the way, get active and fight for daily victory. They contribute 2,000,000 to 2,749,000 US dollars visionary Visionary partners help us plan a future that includes a cure for arthritis. These inspired and inventive champions contributed 1,500.00 to 1,999,999 US dollars. Pioneer Our pioneers are always ready to explore and find new weapons in the fight against arthritis. They contribute between 1,000,000 and 1,499,999 U.S. dollars. Pacesetter Our pacesetters ensure that we can set the course for a cure for those who live with arthritis. They contribute between 500,000 and 999,000 US dollars. Signature Our Signature Partners make a name for themselves by identifying new and meaningful resources for people with arthritis. They contribute between 250,000 and 499,999 US dollars. We support our supportive partners with active champions who encourage and support the arthritis community. They contribute between 100,000 and 249,999 US dollars. More about Partnerships What is Acid-Base Balance? Your blood needs the right balance of acidic and basic (alkaline) compounds to function properly. This is called acid-base balance. Your kidneys and lungs work to maintain the acid-base balance. Even slight deviations from the normal range can have a significant impact on your vital organs. The acid and alkali content is measured on a pH scale. An increase in acidity causes the pH value to decrease. An increase in alkaline causes pH to rise. If the acid levels in your blood are too high, it is called acidosis. If your blood is too alkaline, it is called alkalosis. Respiratory azidosis and alkalosis are due to a problem with the lungs. Metabolic acidosis and alkalis are due to a problem with the kidneys. Each of these conditions is caused by an underlying disease or disorder. Treatment depends on the cause. When you breathe, remove excess carbon dioxide from your body. If they can't do this, your blood and other fluids become too acidic. Symptoms of respiratory rashsymptoms can include fatigue, shortness of breath and confusion. Causes of respiratory azidosisThere are several different causes of respiratory azidosis including: chest deformities or injurieschronic lung and respiratory diseasesOver use of sedativesAdipositastypes of respiratory azidosisThere are no conspicuous symptoms of chronic respiratory azidosis. This is due to the fact that your blood is slowly becoming acidic and your kidneys adjust to compensate your blood back to a normal pH balance. Acute respiratory acidosis suddenly occurs, so the kidneys do not have time to adapt. People with chronic respiratory acidosis may experience acute respiratory acidosis due to another disease that worsens the condition. respiratory azidosisA complete physical examination is necessary. Diagnostic tests may include: arterial blood gas test metabolic function breast X-ray treatment of respiratory azidosisA doctor should be seen immediately to treat acute respiratory acidosis as this can be a life-threatening condition. Treatment Treatment focused on the cause. Bronchodilator medications can be given to correct some forms of respiratory blockage. If your blood oxygen level is too low, you may need oxygen. Non-invasive overpressure ventilation or a breathing machine may be required. In order to treat chronic respiratory azidosis, the underlying cause must be determined in order to ensure proper treatment. The cause could be an organ deformity, an infection or some kind of inflammation. Each cause may require a different treatment, ranging from antibiotics to a breathing machine. In both cases, if you smoke, you will be advised to stop. Complications of respiratory azidosisrespiratoryacidosis is serious and requires immediate medical attention. Possible complications of untreated respiratory azidosis include respiratory failure, organ failure and shock. Prevention of respiratory azidosisYou can take measures to prevent some of the diseases that lead to an ice acidosis of the respiratory tract. Maintain a healthy weight. Take sedatives only under strict medical supervision and never combine them with alcohol. Do not smoke. Metabolic acidosis occurs either if your body produces too much acid, or if your kidneys are unable to remove it properly. Symptoms of metabolic acidosissymptoms can include rapid breathing, fatigue, and confusion. Causes of metabolic acidosisThere are three main types of metabolic acidosis. Diabetic acidosis, or diabetic ketoacidosis, is a collection of ketone bodies. This is usually due to uncontrolled type 1 diabetes. Hyperchloremic acidosis is often after severe diarrhea if your body loses too much sodium bicarbonate. Lactic acidosis is when too much lactic acid builds up. This may be due to: prolonged exerciseLack of oxygen-determined drugs, including salicylatelow blood sugar, or hypoglycemiaalcohol seizure bandfailureCancer severe dehydration poisoning by consuming too much aspirin, ethylene glycol, and methanol diagnostic diagnosis metabolic acidosisdiindiagnostic tests can include serum electrolytes, urine pH, and arterial blood gases. Once acidosis is confirmed, other tests may be necessary to locate the cause. Treatment of metabolic acidosisThe basic condition behind acidosis must be treated. In some cases, sodium bicarbonate is prescribed to return the blood to a normal pH. Complications of metabolic acidosisSevere cases can lead to shock send and be life-threatening. Alkalose is when alkaline levels are too high due to reduced carbon dioxide or increased bicarbonate. There are five types of alkalosis. Symptoms of alkalosis Muscle twitching, hand tremors, muscle spasms and tingling nauseaunvomitinglightheadednessconfusioncauses and types of alkalosisrespiratoryalalallkalose is when your blood has low amounts of carbon dioxide. This can be caused by a number of factors, including: lack of oxygen oxygen DiseasesAlicylatePoisoningWhen you have alkalosis, your carbon dioxide levels are low. This causes your body to release more bicarbonate to restore your pH in the blood to normal. This is called compensated alkalosis. Your pH in the blood is tested normally, but your kidneys release more bicarbonate, which compensates for the lower carbon dioxide levels. If your blood has too much bicarbonate, it is called metabolic alkalosis. This can happen through prolonged vomiting. Prolonged vomiting can also cause you to lose too much chloride. This is called hypochloremal alkalose. Some diuretic medications can cause you to lose too much potassium. This is called hypokalemic alkalosis. Diagnosis alkalosisIn addition to a physical examination, diagnostic tests for alkalosis can help correct chemical losses, blood gas analysis, urinalysis, and urine pH.Treatment for alkalosisSome drugs (such as chloride and potassium) can help. Further treatment depends on the cause. Your doctor needs to monitor your vital signs and create a proper plan to correct your pH imbalance. Complications of alkalosisIn severe cases, alkalose can lead to cardiac arrhythmias or coma. Alkalose and acidosis can become very serious if left untreated. Make an appointment with your doctor if you think you have developed symptoms of either condition. State.