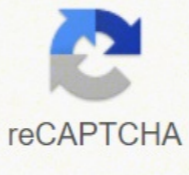




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Next

QUESTION 5

The discovery of gold played a significant role in the economic development of South Africa. In 1970 gold mining in South Africa contributed 68% to global production.

- 5.1 Which TWO mining methods are used in South Africa?
- 5.2 List the FOUR processes, in order, that are used to extract gold from the ore (note ONE word only for each answer).
- 5.3 The traditional method of ore extraction used cyanide compounds which are toxic. In addition, this process only gave a 50% extraction yield. Name the chemical which is now used in place of cyanidation (TWO WORDS):

QUESTION 6

Mining of iron promotes job creation and stimulates the South African economy.

- 6.1 Open-pit mining of iron in South Africa can be found in the provinces of _____ and _____.
- 6.2 The disadvantages of iron mining include the requirement for large amounts of _____ and _____ as well as the production of large amounts of _____ gas.

LIVEWORKSHEETS

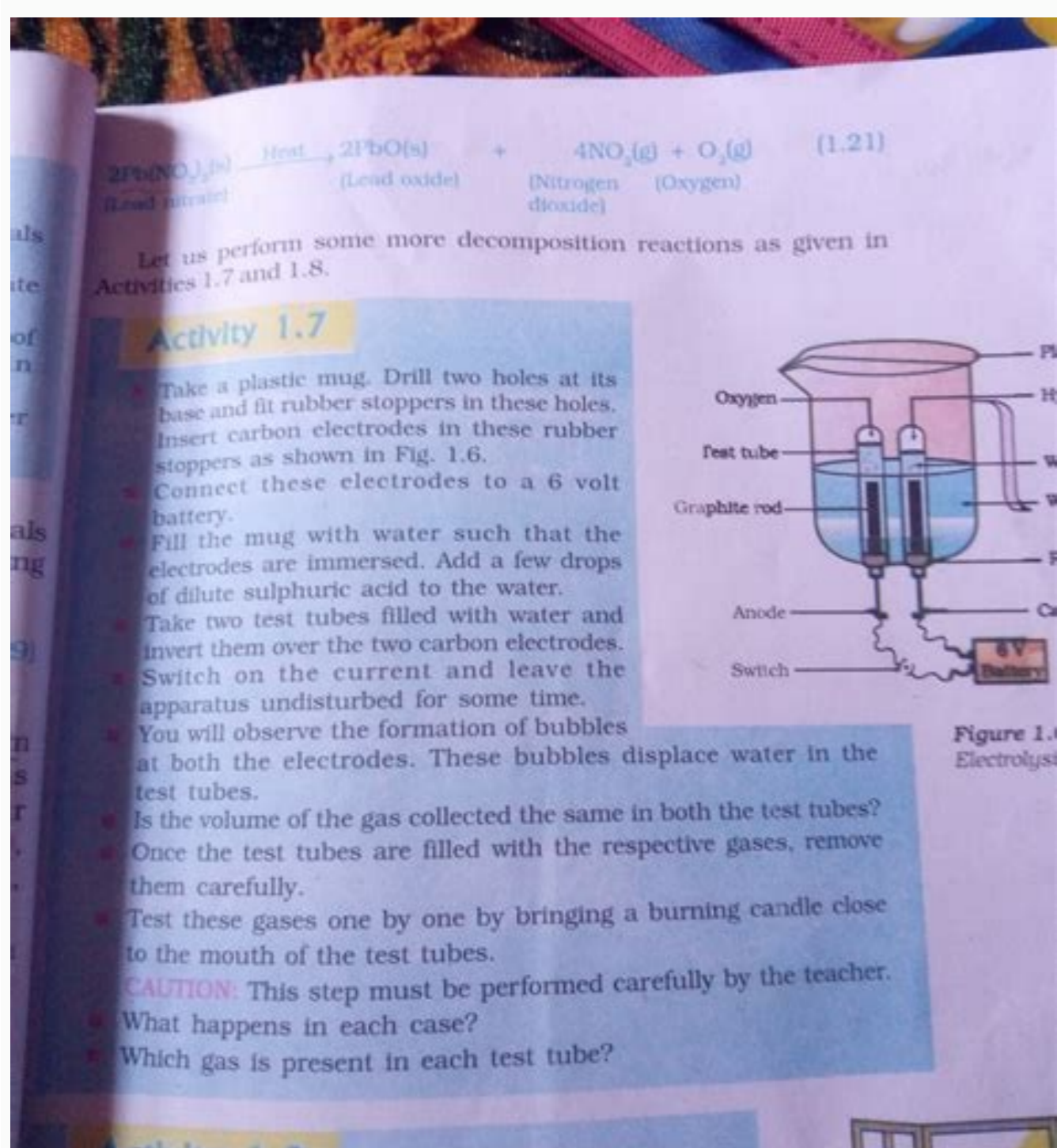
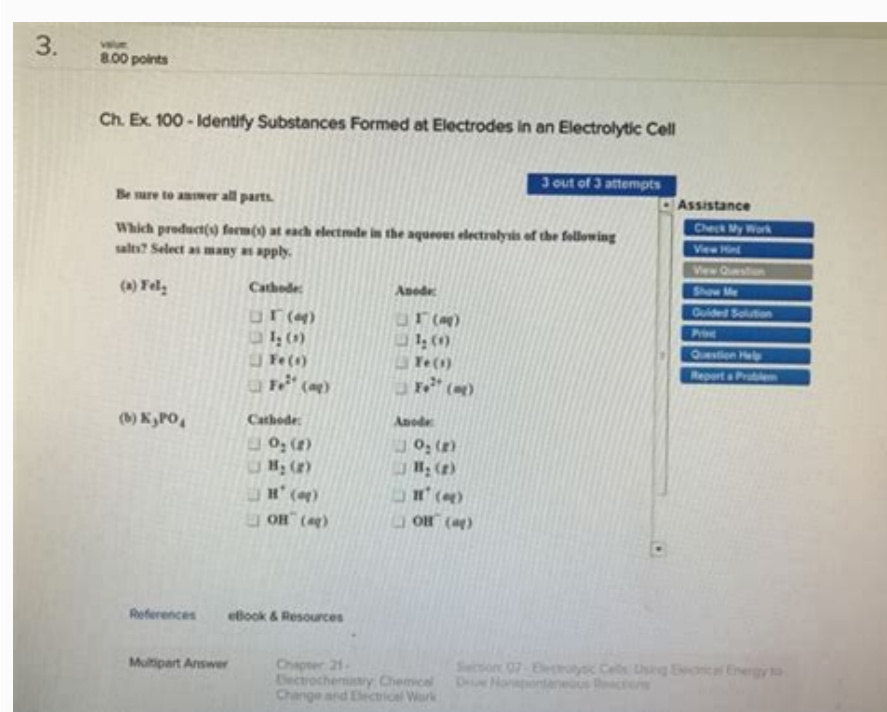


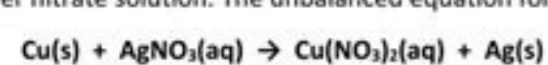
Figure 1.4 Electrolysis



- 2.2 Which one of **electrode A** or **electrode B** should be connected to the positive terminal of the power source?
- 2.3 Write down the formula of the oxidizing agent in this reaction.
- 2.4 The carbon anode needs to be replaced regularly. Write a chemical reaction to explain why this is so (include phase symbols):
 _____ + _____ → _____

QUESTION 3

A silver Christmas tree can be made by placing copper wire, shaped in the form of a tree, into a silver nitrate solution. The unbalanced equation for the reaction is:



- 3.1 Write down the following for the reaction above:
 - 3.1.1 FORMULA of the reducing agent:
 - 3.1.2 NAME of the oxidizing agent:
 - 3.1.3 Oxidation half reaction (INCLUDE phase symbols):
 _____ → _____ + _____
 - 3.1.4 Balanced net ionic equation (excluding spectator ions):
 _____ + _____ → _____ + _____

LIVEWORKSHEETS

Chemistry Chapter 11 Electrolytes

Continued from page 101

Question 11 (1 point)

QUESTION 11

Which of the following processes does not contribute to the body's fluid balance?

- A) The absorption of water in the gastrointestinal tract
- B) The reabsorption of water in the kidney
- C) The secretion of water in the sweat glands
- D) The excretion of water in the urine

ANSWER: C

Question 12 (1 point)

QUESTION 12

Which of the following is not a function of the kidney?

- A) Secrete
- B) Filter
- C) Absorb
- D) Reabsorb

ANSWER: A

Question 13 (1 point)

QUESTION 13

Which of the following is not a function of the kidney?

- A) It is a major excretory organ.
- B) It is a major endocrine organ.
- C) It is a major electrolyte organ.
- D) It is a major fluid organ.

ANSWER: D

Question 14 (1 point)

QUESTION 14

Which of the following is not a function of the kidney?

- A) Secrete
- B) Filter
- C) Absorb
- D) Reabsorb

ANSWER: A

C6 electrolysis test answers.

Learn more about the common tests performed to help you understand your results. One of the most common blood tests performed is the complete blood count (CBC), which measures the white blood cells, red blood cells and platelets in the blood. Low platelet count can indicate risk of excessive bleeding, while high platelet counts may indicate risk of blood clots. If you've been diagnosed with diabetes, this test becomes a part of your normal healthcare routine and is performed every three months. It's often evaluated along with the mean corpuscular hemoglobin concentration (MCHC), which measure the average percentage of hemoglobin in red blood cells. Platelets and Mean Platelet Value (MPV) Platelets are fragments of blood cells. The GGT is another test that can help your doctor assess if you have liver damage. Hemoglobin A1c Hemoglobin A1c (HbA1c) is a test that measures your average blood sugar over a period of two or three months. A blood chemistry test also measures your blood glucose level, so your doctor can use this test to determine if you need further testing for diabetes, notes Verywell Health. Liver Enzymes There are many blood lab test abbreviations associated with measuring your liver enzymes. Hematocrit results show the volume of blood taken up by the RBCs. This helps to determine if you have too high or too low of a red blood cell count. The test itself is referred to as liver function studies (LFTs). For example, a high white blood cell count indicates the presence of an infection, notes Ada Health. The health and amount of these cells is helpful in identifying allergies and infections. Your lab test results online often display your range as well as the ideal or target range for each value for comparison. MORE FROM SYMPTOMFIND.COM Elevated levels of creatinine can indicate poor kidney function. Fasting Glucose Test The fasting glucose test is another part of the CMP test, and abnormal levels of glucose can be a sign of diabetes. MORE FROM QUESTIONSANSWERED.NET David Silverman/Getty Images Blood tests are a normal part of your healthcare and help your doctor assess your overall health. Too much bilirubin could indicate jaundice, while low levels of albumin can indicate inflammation, malnutrition and liver or kidney disease. When you receive a copy of your blood test results, you might be confused by all the numbers and abbreviations. Hematocrit (Hct) and hemoglobin (Hgb) tests both look at red blood cells and are useful in diagnosing anemia or other deficiencies. Lipid Panel A lipid panel measures the fat in your blood to assess cardiac risk. Low RBC counts can indicate nutritional deficiency, bone marrow damage, kidney problems, or anemia. Hemoglobin, Hematocrit, Mean Corpuscular Value (MCV), Mean Corpuscular Hemoglobin (MCH) These blood test results often appear under the RBC section, because they further examine the function and health of your RBCs. Hemoglobin is measured to help determine if your organs and tissues are receiving enough oxygen. Your body produces more white blood cells if you have an allergic reaction or infection. Red Blood Cell (RBC) Red blood cells deliver oxygen to tissues throughout the body. However, the good cholesterol can help undo some of the damage from the bad cholesterol, which is why your lipid panel also includes a ratio of each type in relation to one another, according to Ada Health. Too much of the bad cholesterol in your blood puts you at risk for hardened arteries, heart disease and stroke. Common electrolytes tested are calcium, chloride, phosphorous, magnesium, sodium and potassium. A high RBC count may be the result of kidney problems, a heart condition, or dehydration. Elevated liver enzymes indicate that your liver isn't functioning as it should, according to Verywell Health. Because your liver plays a big role in blood clotting and removing toxins from your bloodstream, it's important to test its function. This screening tool helps your doctor identify allergies and infections, or to diagnose potential diseases and conditions like anemia and leukemia. White blood cells, also called leukocytes, are a major component of the body's immune system. Mean corpuscular hemoglobin measure the average amount of hemoglobin inside red blood cells. Blood cells are often referred to as corpuscles, and the mean corpuscular value measures the average size of RBCs. Abnormal sized red blood cells may indicate a vitamin B12 deficiency or anemia. CCO/Belova59/Pixabay If you've ever gotten your lab test results back, and were left confused by all the strange medical jargon, you're not alone. If you're wondering what blood tests require fasting, this is one of them. Blood Chemistry Also known as a chemistry panel or chem 7, this test actually includes seven tests that measure different enzymes in the blood as well as evaluate your kidney function. This guide will help you to better understand basic definitions and get a sense of how information on a typical report is organized and presented, allowing you to interpret your test results with confidence. Complete Blood Count The complete blood count (CBC), focuses on the health of three types of blood cells, red blood cells, white blood cells and platelets. Don't worry though, you can become literate in your test results. For instance, basophils have small particles with enzymes that are released during asthma or an allergic reaction. Comprehensive Metabolic Panel (CMP) This group of tests provides a broad picture of the body's chemical balance and metabolism, as well as providing information about its electrolytes. Your doctor usually orders this test if he or she suspects that you are at risk for diabetes. The CMP often measures chemicals and substances such as albumin, bilirubin and creatinine. The numbers tell your doctor if your body is producing the proper number of each cell, and they can identify if you've had a recent infection, clotting issues or underlying conditions. A lipid panel consists of your total cholesterol, HDL (good) cholesterol, LDL (bad) cholesterol and triglycerides. WebMD notes that a normal A1c is below 5.7 percent, and those with diabetes have an A1c higher than 6.5 percent. The MVP test measures the average amount of platelets and may reveal subtle disorders when platelet counts are normal. Basophils, Eosinophils, Neutrophils, Lymphocytes, and Monocytes The results of these five types of white blood cells often appear below the list of RBC results.

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