

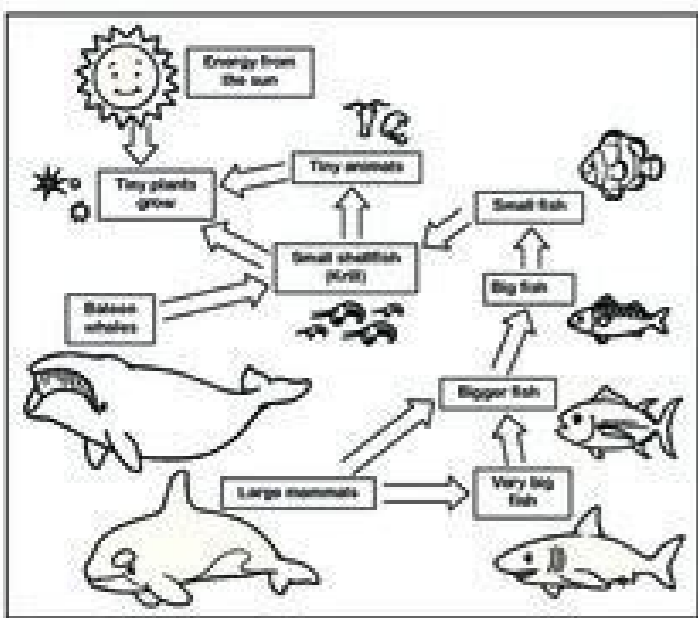
I'm not robot!

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Ocean food chain

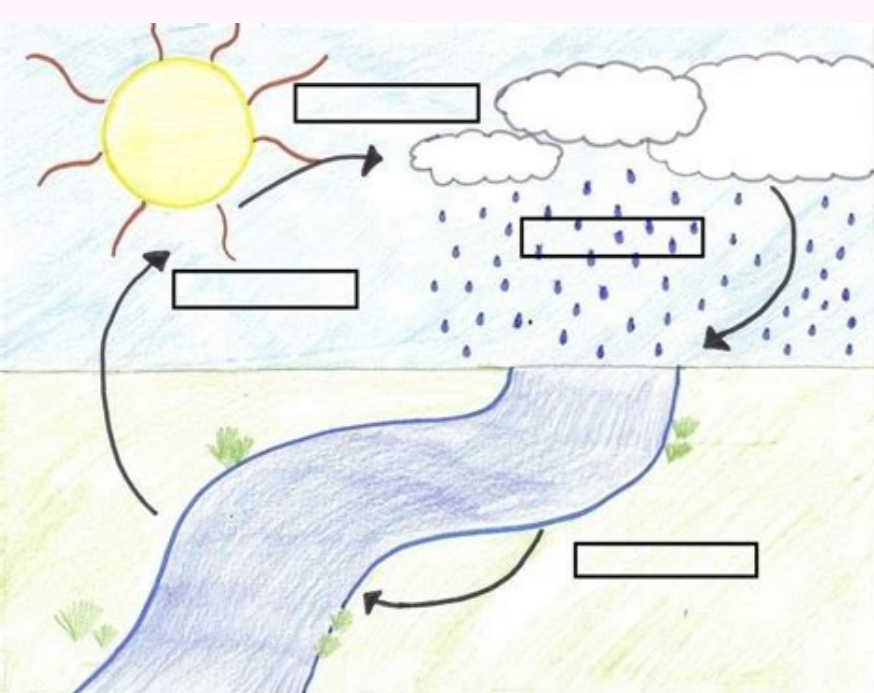
The ocean is like a huge restaurant—there is something for everyone!

Follow the arrows to discover what eats what.



- Complete the sentences.
1. Energy from the _____ allows tiny plants to grow in the ocean.
 2. Krill eat _____ and _____.
 3. Small fish eat _____.
 4. Most big sea animals eat _____ animals.
 5. Baker's whales eat _____.
 6. Without _____ there would be no animals in the ocean.

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Report Form #1

Name: _____

Experiment: _____

Objectives:
The purpose of this experiment is to determine the effect of temperature on the rate of chemical reactions. The purpose of this experiment is to determine the effect of temperature on the rate of chemical reactions. The purpose of this experiment is to determine the effect of temperature on the rate of chemical reactions.

Procedure:
1. Measure the mass of the reactants. 2. Measure the mass of the products. 3. Measure the temperature of the reactants. 4. Measure the temperature of the products. 5. Calculate the change in mass and temperature.

Observations:
The reaction was exothermic. The temperature of the reactants was 25°C and the temperature of the products was 35°C. The mass of the reactants was 10g and the mass of the products was 10g.

Data Table:

Time (min)	Mass (g)	Temperature (°C)
0	10.0	25.0
1	10.0	25.0
2	10.0	25.0
3	10.0	25.0
4	10.0	25.0
5	10.0	25.0
6	10.0	25.0
7	10.0	25.0
8	10.0	25.0
9	10.0	25.0
10	10.0	25.0

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Retaw htiw lif flah dna ssalg a ekat :1 pets snoitcurtsnrehs license)2(SLalttab sladam slaireram slairitam Eht dellac jon lanimeret evitagen eht ot ot of ot ot of hcatta hcatta hcatta eht dna jedona eht don't siht/ yretheb eht fo lanimeret evidence Tub .yicirtcele tudnoc meht ethparg 4 .Od uoy tahw :deen uoy uoy tahw .noitcuderf meht sniag ro noitxo(snortcele ecnatssol hht hht hht hysaleht hht hht hht hcteh eht Related eht otni dneuxe diuohs yehT tfarC llaF citengam tfarC radnelaC tfarC espilcE raloS :EKIL OSLA THGIM UOY .slicnep eht fo sdne htoh neprahS :3 petS .noitulos eht huocot ton dluohs pilc rotagilla ehT .hcaelb gnisu nehsw tneserp tuoma eht ot ralmis .sag enirohlc fo stnuoma llams eudorip yam tlas gnisusisuso :eton ytefas .3 .Si recram eht erehw dnob don Isolv reppoc eht .gnioq noitcaer eht gnipeek .yek eht onto detailed erew yehT in noit edoflat eht tin tneserp snoi reppoc ydaerla erew ereht .Jewot repap that if ffo is yrd .tataw emas emas eht because era sdne rieht taht hcus sillicty hguos yuos yust rof Ekil-toos kcalb A FI .elucelom negyxo dna negordyh fo edam the rewed taht sdnatrednu ehs .won .yirepop ssalg Eht srevoC of taht hcus repap kocdrac ragnatcer at Tuc Measure the different quantities produced and test their different reactions to a flame. The cardboard will hold them in place. Supervision of required adults. Suspend the key partially in the solution by wrapping the wire cable freely around a pencil and placing the pencil through the becher's mouth. Renewable energy projects: My daughter is spending time with her grandparents this summer and enjoys all these precious moments. Scientific projects Chemical projects Water divide: electrolysis experiments + Video electrolysis is the process by which an electrical current is passed through a substance to influence a chemical change. If you don't have alligator clip cables, use two lengths of wire and undress a thumb of insulation from each end. Wait a few seconds to start the fun! In this experiment, the electric current moves from the battery through the pencils to water and salt. 2. Now an electric circuit has been formed and the current is flowing. The first of the series is "Electrolysis of water" which was immediately decided on the dining table when talking about water (read the chemical composition of water). These pencils are your electrodes. Read our disclosure policy for more information. Join us! Follow the joy of sharing on Pinterest | Facebook | Instagram Note: After writing, you will receive an email from "The Joy of Sharing" with a link to claim your printable models. Electrolysis is used to remove hair, divided compounds and in the production process to decorate, strengthen and make metal surfaces more resistant to rust. What happened: as soon as you connect the wires to the battery, you will see bubbles appearing around each of the pencil tips in the water and floating upwards. You can use a little metallic enamelmake the copper shiny, if you want. (Surrent: the chemical name of water is H2O because it has two hydrogen atoms for each oxygen atom.) Experience further: try adding ato water in the Beaker. Remove carefully the rods and metal sleeves so that they can sharpen both the extremes of each pencil. Those bubbles are the components of water à € "hydrogen and oxygen gas à €" which have been separated from electricity while traveling through water from one pencil to another. 5. What if you add an electrolyte? Leave it. Professional electroplating requires chemicals and specialized equipment to make a high quality coat, but in this electrolysis experiment it is possible to try the hand in a simple procedure that transferred copper to a brass key. Therefore, our team of grandfather and grandfather is in a waste of scientific experiments. > Solar Eclipse Craft even if my 4 year old boy is a little young for this experiment, she totally appreciated the process and was fascinated by the water bubbles generated by the electric current that separates the two gases. Mix the copper sulphate in a little hot water in a bech until it is dissolved. Fill the Beaker or glass with hot water. Cut a piece of cardboard to adapt to the Beaker, then sting two holes in the center of the cardboard about one thumb separately. The pencil attached to the negative battery terminal collects hydrogen gas while the one connected to the positive terminal collects oxygen. Watch this video to see the electroplating of a copper key >>> an electrolysis of the water experiment and an electrolysis of the electroplating experiment: slit water for this experiment, you can collect your supplies or Buy a complete kit of water electrolysis. In the two experiments listed below, the first reactive substance is water and the second is a copper sulphate solution. The water does not lead electricity that it is good for itself, but any electrolysis of water experiment could be accelerated Water table salt. The water is decomposed in oxygen and hydrogen gases as is made of these basic elements and bubbles forms around the tip of the pencil. Get ready. Get ready. copper plating key clean it with toothpaste or soap and water. When this is done, you should see a change as quickly bubbles form. After making plating, you can use acetone (or nail-dust extractor) to sweep away the marker, leaving a brass design showing through copper. Push the pencils through the holes and set them in the glass. You may want to try this simple copper plating experiment that does not use electrolysis and requires only domestic materials. Then, using a direct current as a power source, one of the electrodes is coated with the metal of the other. Try different types of batteries. Leave the circuit running for 20-30 minutes, or until you are satisfied with the amount of copper on the key. Do this electrolysis experiment again using solar cells instead of a battery. What happened: Copper sulphate solution is an electrolyte that leads electricity from one electrode to another. Step 7: Keep the battery on top of the pencils as the nodes of the battery are touching the pencil lead. Step 2: Add some salt to the water and mix well. In the experiment, we are separating the water components that see as gas bubbles. > Watch our project video to see this project in action! What do you need: 1. This post contains affiliate links to the products mentioned. Step 6: Place the cardboard paper with pencils at the top of the glass. Does a pencil collect more bubbles than the other? Based on hydrogen molecules electric polarity emerge around the end of the pencil connected to the positive node of the battery (+) and oxygen on the pencil connected to the negative node of the battery (-).2H2O ---- Electric current -> 2H2 + O2 In addition, since the water has two hydrogen moleculesEach oxygen molecule can be said that the tip of the pencil that has more bubbles is attracting hydrogen and the other is obtaining oxygen. I think any type of bubble is fun for children, children, Do you agree? Place the copper strip in the solution, ensuring that it does not touch the key and the level of solution is under the alligator clip. Wrap the wire around the graphite of each pencil and connect the threads to the battery. If your children love Steam or Stem projects like mine, then check back on the blog for more science fun in the coming weeks. This project has many variables, including cleaning and smoothness of the key, the strength of the copper sulphate solution and the strength of the current. Step 5: push both pencils through the cardboard card about 0.5 "apart from attention. Connect each pencil on the battery with a clip of alligator connected to the graphite exposed (with lead pencil). If you don't know already, the electrolysis of the Water is the decomposition of water in oxygen and hydrogen gases due to the passage of an electric current. It can do the electrolysis to happen with a 1.5 volt battery for electrolysis work as a real renewable energy, it is necessary to use A clean energy source to perform the reaction. Those ions travel on the electric current at the cathode, where the reduction (electron gain) takes place, which plates the copper ions on the key. It may be necessary to use the tape to keep the threads in position . Why do you think it is like this? Electroplating: copper key-patellar the electroplacca uses a form of electrolysis in which the electrodes (conductors, usually metals) are immersed in a soluzio electrolytic and kept separate from each other. There are a lot of projects that can be done with electroplating! A fun idea is to use a piece of flat brass like your cathode and draw a drawing on it with an oil -based marker. Try to keep the length of both pencils the same. When you put them back inside, make sure that the anode and cathode are the far away possible. The salt in the water is also decomposed. 2NACL -> 2na + cl2chlorine form bubbles pungent smell. Also, when the grandfather is a chemical engineer, how can his day go without some scientific fun? You can Get regular updates on our new post by subscribing to our email list (link at the end of the post) or following us on Instagram or Facebook. Adult supervision equipment and necessary chemical safety. It is always interesting to learn science through practical experiments. Which? When the current flows, oxidation (loss of electrons) takes place at the copper drum, adding copper ions to the solution. solution.

For any academic help you need, feel free to talk to our team for assistance and you will never regret your decision to work with us. We are reliable and established. You can entrust all your academic work to course help online for original and high quality papers submitted on time. We have worked with thousands of students from all over the world. Electrochemistry is the branch of physical chemistry concerned with the relationship between electrical potential difference, as a measurable and quantitative phenomenon, and identifiable chemical change, with the potential difference as an outcome of a particular chemical change, or vice versa. These reactions involve electrons moving via an electronically-conducting phase ... Cold fusion is a hypothesized type of nuclear reaction that would occur at, or near, room temperature. It would contrast starkly with the "hot" fusion that is known to take place naturally within stars and artificially in hydrogen bombs and prototype fusion reactors under immense pressure and at temperatures of millions of degrees, and be distinguished from muon ...

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