Unit 2 - Mixing Materials Revision for Unit Test (Part 2)

Name:	Class:	Date:
Unit 2.4 Filtering		
A. Parts of a filter. Identify sentences with the corr		e diagram below and fill out the
insoluble solids from the line has holes that let some of filter because the pieces to separate strong when it gets wet so of equipment that can be used.	iquid by pouring the mix the mixture pass through are too big to pass the e mixtures. Filter paper it does not tear easily. A sed to support the filter p	materials. We can the cture through a A filter in. Solids in the mixture stay in the rough the holes. Scientists use in has very tiny holes and stays is a cone-shaped piece paper. We can make a simple filter
at home by using		out the dirt from water.
B. Can these mixtures be 1. a. Water and suga b. How do you kn	ar	
2. a. Vinegar and sa b. How do you kn		
 a. Cooking oil and b. How do you kn 		



Unit 2.5 Separating materials from rocks

A. Read the story below about cobalt mining.



Cobalt is a metal used to make batteries for mobile phones and electric cars. Cobalt ore is mined in a country called the Democratic Republic of Congo, in Africa. Many people who live there are very poor. Children work in the mines to make money to live. They are not paid very much for the work. The mines are not safe so the children can get hurt or can become ill. Some children who work in the mine are only seven years old. They break the rocks to separate the cobalt ore from the rock. Some people who make mobile phones and electric cars try not to buy cobalt from mines that use children. Others do not find out where the cobalt they buy comes from.

- 1. a. What kind of material is cobalt?
 - b. What is cobalt used for?
 - c. How do they separate the cobalt ore from the rocks?
 - d. Why do the children work in the mine?
 - e. What could people who buy mobile phones or electric cars do to help?



B. Which of the following are fuels? Put a check mark below it.



C. Fill out the missing words in the paragraphs below. Use the beginning letters as clues.

Planet E is the source of all the materials that we use. All
materials that have to be made, like plastic and metal, are made from
materials that are n Most plastic is made from o
which is found in the ground. Metals are made from rocks in the ground
called o The metal ore is heated and melted to separate the
metal. This is called s
N g is a gas found underground. We burn it to cook, heat
our homes and to make electricity. Oil is a liquid found underground. The
oil is heated to make useful liquids and gases. The petrol and d
we burn in cars and lorries come from this oil.
Materials that we burn are called f When we burn these
materials the c d gas is made. Too much carbon dioxide
in the air is making the Earth get warmer. This is called g
w .

