

Name _____

Date _____

Class _____ Table _____

POM Lesson 11

Pure Substance Or Mixture

Getting Started (page 100)

1. What is your definition of a pure substance?

Give two examples of pure substances.

Why do you think each is pure?

If you were given an unknown sample of matter, how could you tell whether it was a pure substance or a mixture?

To be done After Inquiry 11.1

Reflecting On What You've Done (page 101)

2. Write a final definition of a pure substance.

Inquiry 11.1 Determining Whether Substances Are Pure Or Mixtures (page 100)

5. Complete Table 1.

Table 1 **Results of Inquiry 11.1**

Sample	Pure Substance Or Mixture	How did you reach your conclusion?
A		
B		
C		
D		
E		
F		
G		
H		

7. How can the properties of pure substances be used to discover whether a sample is a mixture?

Were the samples in this inquiry all well mixed?

How did the extent of mixing affect your investigation?

Reading: Perfect Teamwork (page 102)

Homework: Find an object at home that is made of composite materials.

1. Name the object.

2. What is the function of the object?

3. Why was that composite material chosen for that function?