

## 2.1 IDENTIFYING PURE SUBSTANCES AND MIXTURES

1 What is your definition of a pure substance?

2 Give two examples of pure substances. For each, explain why you think it is pure.

Substance 1:

Why do you think it is pure?

Substance 2:

Why do you think it is pure?

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

## 2.1 IDENTIFYING PURE SUBSTANCES AND MIXTURES (CONTINUED)

4 Write your results for Inquiry 2.1 in Table 1.

Table 1 Results of Inquiry 2.1

Sample	Pure Substance Or Mixture?	How Did You Reach Your Conclusion?
A		
B		
C		
D		
E		
F		
G		
H		

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

6 Were the samples all well-mixed? How did the extent of mixing affect your investigation?

7 If you are not satisfied with your original definition of a pure substance, write a new one below.