

Identifying an Alloy Record Sheet

Table 1: As a class, collect and record the physical properties of the pure metals. These can be added to the corresponding points on Table 2.

	Bismuth	Tin	Zinc	Aluminum
Density				
Oxidation				
Cleavage				
Physical Properties				

Table 2: In your groups, create three samples of desired composition and record their values below and in Table 3. Use the data you collected to predict the composition of the unknown sample.

	Sample 1	Sample 2	Sample 3	Unknown
Composition				
Density				
Oxidation				
Cleavage				
Physical Properties				

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Table 3: Record a few notes on properties you identified in the alloys you collected based on their relative compositions.

Pure Bismuth	50%		Pure Tin
50%			50%
Pure Zinc	50%		Pure Aluminum

Density vs Composition Graph

