

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Class Data Table

Sample Alloy Type	Chemical Composition	UTS (MPa)	Density (kg/m <sup>3</sup> )	Specific Strength Pa/(kg/m <sup>3</sup> )
<b>6061 aluminum</b>	Aluminum, chromium, copper, iron, magnesium, manganese, silicon, titanium, zinc	310		
<b>464 brass</b>	Copper, tin, zinc	379		
<b>220 bronze</b>	Copper, zinc	265		
<b>101 copper</b>	Arsenic, copper, oxygen, phosphorus, antimony, tellurium	241		
<b>625 nickel</b>	(mostly) nickel, chromium, molybdenum, niobium	827		
<b>304 stainless steel</b>	Iron, chromium, nickel, silicon, copper, manganese, phosphorus, sulfur	586		
<b>EN 988 zinc</b>	Zinc, copper (less than 1%)	150		