

Name: _____

Date: _____

Identifying Substances

Properties of Metals

Metal	Color	Density	Other properties
aluminum	silvery-white	2.7 grams/cm ³	
brass (mixture of copper and zinc)	gold	8.4 grams/cm ³	
copper	reddish-orange	9.0 grams/cm ³	
gold	gold	19.3 grams/cm ³	
iron	silvery-white	7.9 grams/cm ³	attracted to magnets
lead	gray	11.3 grams/cm ³	
magnesium	gray-white	1.7 grams/cm ³	
mercury	silver	13.4 grams/cm ³	liquid at room temperature
silver	silver	10.5 grams/cm ³	
steel (mixture of iron and carbon)	silver	7.5 grams/cm ³	most types attracted to magnets
titanium	silver	4.5 grams/cm ³	
zinc	dark gray	7.1 grams/cm ³	

Name: _____

Date: _____

Identifying Substances (continued)

Part 1: Initial Claims of Metal Cubes

Record your initial claims for what each cube is made of:

Cube A: _____

Cube B: _____

Cube C: _____

Cube D: _____

Cube E: _____

Name: _____

Date: _____

Identifying Substances (continued)

Part 2: Identifying Metal Cubes

Revise your claim for the identity of each cube below and write an argument to support your claim. In your argument, use evidence from your observations and the data you gathered.

Cube A:

Cube B:

Cube C:

Cube D:

Cube E:
