

Name \_\_\_\_\_

## Mineral Identification Lab

### Mineral Properties

<b>Mineral Number</b>	<b>Color</b>	<b>Luster (NM or M)</b>	<b>Light Interaction</b>	<b>Streak (Color)</b>	<b>Hardness 1 - 10</b>	<b>Cleavage or Fracture</b>	<b>Density</b>
<b>1</b>							
<b>2</b>							
<b>3</b>							
<b>4</b>							
<b>5</b>							
<b>6</b>							
<b>7</b>							
<b>8</b>							
<b>9</b>							
<b>10</b>							
<b>11</b>							
<b>12</b>							
<b>13</b>							
<b>14</b>							
<b>15</b>							
<b>16</b>							










# Final Results

<b>Mineral Number</b>	<b>Mineral Name</b>
<b>1</b>	
<b>2</b>	
<b>3</b>	
<b>4</b>	
<b>5</b>	
<b>6</b>	
<b>7</b>	
<b>8</b>	
<b>9</b>	
<b>10</b>	
<b>11</b>	
<b>12</b>	
<b>13</b>	
<b>14</b>	
<b>15</b>	
<b>16</b>	

# Mineral Characteristics Data Table

Mineral Name	Density	Color	Luster	Light Interaction	Streak	Hardness	Cleavage
Talc	2.5-2.8	White to brown	Non-metallic	Opaque	White-green	1	Good
Sulfur	2.0	Yellow	Non-metallic	Opaque	Yellow	2	Poor/No
Gypsum	2.3	White/pink	Non-metallic	Opaque	White	2	Good
Mica/ Biotite	3.09	Black	Non-metallic	Translucent/ Transparent	Colorless to light brown	2.5	Perfect
Azurite/ Chrysocolla	3.83	Bluish-green	Non-metallic	Opaque	Blue/ Light green	3	Poor/No
Copper	8.92	Copper with green-gray coating	Metallic	Opaque	Brownish-red	3	Poor/No
Calcite	2.71	White	Non-metallic	Translucent/ Transparent	White	3	Perfect
Fluorite	3.15	Light green	Non-metallic	Translucent/ transparent	White/ Colorless	4	Good
Limonite	2.7-4.3	Yellow-brown	Non-metallic	Opaque	Brown	6	Poor/No
Magnetite	5.2	Gray	Metallic	Opaque	Dark brown	6	Good
Pyrite	4.9	Green-gray	Metallic	Opaque	Gray	6.5	Poor/No
Quartz, red/yellow	2.65	Orange-red	Non-metallic	Opaque	White/ Colorless	7	Poor/No
Quartz, milky white	2.65	Clear white	Non-metallic	Translucent/ transparent	White/ Colorless	7	Good
Quartz, rose	2.65	Light pink	Non-metallic	Translucent/ transparent	White/ Colorless	7	Good
Feldspar	2.56	White, Pinkish	Non-Metallic	Opaque	White	6	Good
Hematite	5.26	Reddish,	Metallic	Opaque	Reddish- Brown	5-6	Poor/No

**Table 2 Mohs Hardness Scale**

Hardness	Mineral or Ordinary Object	
10	Diamond	
9	Corundum	
8	Topaz	
7	Quartz	
6.5	Steel file	
6	Feldspar	
5.5	Glass	
5	Apatite	
4.5	Iron nail	
4	Fluorite	
3.5	Penny	
3	Calcite	
2.5	Fingernail	
2	Gypsum	
1	Talc	