

## Mineral Key

Use the following steps to identify a mineral:

1. Decide if the mineral is metallic or non-metallic based on its luster and streak.
2. If the mineral is non-metallic, decide if it is light or dark in color.
3. Find a mineral in the list with the same density and hardness as your sample.
4. Check that the other properties—crystal shape, color, streak, acid reaction—match.

**Metallic minerals (luster of each mineral ranges from metallic to dull)**

Mineral	Crystal shape	Color	Density	Hardness	Streak	Fizzes in acid?
Galena (lead ore)	Cubic/irregular	Gray	7.5 g/mL	3	Dark gray	No
Gold	Irregular	Golden yellow	19.3 g/mL	3	Yellow	No
Graphite (pencil lead)	Irregular	Dark gray	2.2 g/mL	2	Gray	No
Hematite (iron ore)	Irregular	Red-brown to black	5.3 g/mL	6	Red-brown	No
Magnetite (iron ore)	Irregular	Black	5.2 g/mL	6	Black	No
Malachite (copper ore)	Irregular	Dark green	4.0 g/mL	4	Light green	No
Pyrite (fool's gold)	Cubic/irregular	Greenish yellow	5.0 g/mL	6	Dark green	No
Silver	Irregular	Silver gray	10.5 g/mL	3	Gray	No

**Non-metallic minerals, mostly dark in color (glassy, pearly or dull luster)**

Mineral	Crystal shape	Color/luster	Density	Hardness	Streak	Fizzes in acid?
Corundum (Ruby)	Hexagon/irregular	Dark red, glassy/dull	4.0 g/mL	9	No streak	No
Garnet	Ball shape	Dark red, glassy/dull	4.0 g/mL	7	No streak	No
Mica	Flat sheets	Black/white, glassy	3.0 g/mL	3	White	No

# Explore Learning Gizmo Answers Mineral Identification

**Padhraic Smyth**

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

## **Explore Learning Gizmo Answers Mineral Identification:**

The Top Books of the Year Explore Learning Gizmo Answers Mineral Identification The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the captivating narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Explore Learning Gizmo Answers Mineral Identification : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Explore Learning Gizmo Answers Mineral Identification : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and suspenseful novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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web 1 positions of auxiliary symbols for surface symbol a surface roughness value cut off value or reference length machining method grain direction surface undulation etc are indicated around the surface symbol as shown in fig 1 below fig 1 positions of auxiliary symbols a ra value b machining method c cut off value evaluation length

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