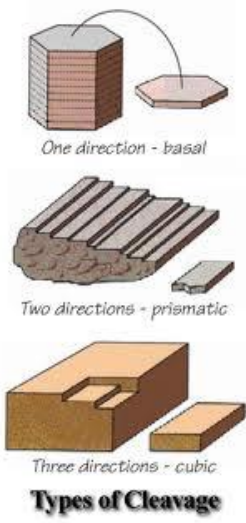


| Property | What it means | How do you find out and test it? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|----------------------------------|---|---|-------------------------------|------|---|---------------------------|------|-----|--------|---|---------------------------|------|----|---------|---|-----------------------|-----|-----|----------|---|------------------------|---|-----|---------|---|-----------------------|-----|-----|------------|---|----------------------|----|-----|--------|---|------------------------|-----|-------|-------|---|------------------|-----|-------|----------|---|-----------------|-------|-------|---------|----|--------------------|---------|--------|--|--|
| 1) Color  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2) Streak  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3) Luster  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4) Density | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5) Hardness <table border="1"> <thead> <tr> <th>Mineral</th> <th>Mohs relative hardness</th> <th>Scratch Test</th> <th>Brinell absolute hardness (kg/mm²)</th> <th>Vickers (kg/mm²)</th> </tr> </thead> <tbody> <tr> <td>Talc</td> <td>1</td> <td>scrapable with fingernail</td> <td>0.03</td> <td>2.4</td> </tr> <tr> <td>Gypsum</td> <td>2</td> <td>scrapable with fingernail</td> <td>1.25</td> <td>36</td> </tr> <tr> <td>Calcite</td> <td>3</td> <td>scr. with copper coin</td> <td>4.5</td> <td>189</td> </tr> <tr> <td>Fluorite</td> <td>4</td> <td>easily scr. with knife</td> <td>5</td> <td>189</td> </tr> <tr> <td>Apatite</td> <td>5</td> <td>still scr. with knife</td> <td>6.5</td> <td>536</td> </tr> <tr> <td>Orthoclase</td> <td>6</td> <td>scr. with steel file</td> <td>37</td> <td>795</td> </tr> <tr> <td>Quartz</td> <td>7</td> <td>scratches window glass</td> <td>120</td> <td>1,120</td> </tr> <tr> <td>Topaz</td> <td>8</td> <td>scratches quartz</td> <td>175</td> <td>1,477</td> </tr> <tr> <td>Corundum</td> <td>9</td> <td>scratches topaz</td> <td>1,800</td> <td>2,368</td> </tr> <tr> <td>Diamond</td> <td>10</td> <td>scratches corundum</td> <td>149,000</td> <td>19,208</td> </tr> </tbody> </table> | Mineral | Mohs relative hardness | Scratch Test | Brinell absolute hardness (kg/mm ²) | Vickers (kg/mm ²) | Talc | 1 | scrapable with fingernail | 0.03 | 2.4 | Gypsum | 2 | scrapable with fingernail | 1.25 | 36 | Calcite | 3 | scr. with copper coin | 4.5 | 189 | Fluorite | 4 | easily scr. with knife | 5 | 189 | Apatite | 5 | still scr. with knife | 6.5 | 536 | Orthoclase | 6 | scr. with steel file | 37 | 795 | Quartz | 7 | scratches window glass | 120 | 1,120 | Topaz | 8 | scratches quartz | 175 | 1,477 | Corundum | 9 | scratches topaz | 1,800 | 2,368 | Diamond | 10 | scratches corundum | 149,000 | 19,208 | | |
| Mineral | Mohs relative hardness | Scratch Test | Brinell absolute hardness (kg/mm ²) | Vickers (kg/mm ²) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Talc | 1 | scrapable with fingernail | 0.03 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gypsum | 2 | scrapable with fingernail | 1.25 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calcite | 3 | scr. with copper coin | 4.5 | 189 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluorite | 4 | easily scr. with knife | 5 | 189 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apatite | 5 | still scr. with knife | 6.5 | 536 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orthoclase | 6 | scr. with steel file | 37 | 795 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quartz | 7 | scratches window glass | 120 | 1,120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Topaz | 8 | scratches quartz | 175 | 1,477 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Corundum | 9 | scratches topaz | 1,800 | 2,368 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diamond | 10 | scratches corundum | 149,000 | 19,208 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6) Crystal Systems  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

7) Cleavage & Fracture



8) Special Properties

