

























| Crystal class | Axis system                                                        |
|---------------|--------------------------------------------------------------------|
| Cubic         | $a = b = c, \ \alpha = \beta = \gamma = 90^{\circ}$                |
| Tetragonal    | $a = b \pm c, \alpha = \beta = \gamma = 90^{\circ}$                |
| Hexagonal     | $a = b \neq c, \ \alpha = \beta = 90^{\circ}, \ \gamma = 120$      |
| Rhombohedral  | $a = b = c, \alpha = \beta = \gamma \neq 90^{\circ}$               |
| Orthorhombic  | $a \neq b \neq c, \ \alpha = \beta = \gamma = 90^{\circ}$          |
| Monoclinic    | $a \neq b \neq c, \alpha = \gamma = 90^\circ, \beta \neq 90^\circ$ |
| Triclinic     | $a = b = c, \alpha = \beta = \gamma = 90^{\circ}$                  |







![](_page_8_Picture_1.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_9_Picture_1.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_11_Figure_0.jpeg)

![](_page_11_Figure_1.jpeg)

![](_page_12_Picture_0.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_13_Figure_0.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_16_Figure_0.jpeg)

![](_page_16_Figure_1.jpeg)

![](_page_17_Figure_0.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_18_Figure_0.jpeg)