Textural Terms in Igneous Petrology

Andehral	Irregularly shaped compact grains not bounded by any characteristic crystal faces
Aphanitic	Texture that consists of a mosaic of crystals too small to be seen without magnification. Can be either cryptocrystalline or microcrystalline
Aphyric	Nonporphyritic aphanitic texture
Bimodal	Refers to two distinct populations without intermediate members
Cryptocrystalline	Texture that consists of a mosaic of minute crystals that cannot be resolved with an optical microscope
Crystallinity	Proportion of crystals in a glassy rock or in a magma
Crystallites	Minute crystals that do not react visibly to polarised light under the microscope
Cumulate	Accumulation of crystals produced by crystal-melt fractionation
Cumulophyric Cumulus	A type of porphyritic texture in which several phenocrysts are aggregated together, the matrix is usually glassy or aphanitic Refers to mineral grains in a cumulate or the fabric formed by accumulation of crystals in a fractionating magma
Dendritic	Crystal shapes resembling tree branches
Devitrification	Delayed crystallization of glass
Equigranular	Phaneritic texture in which grains are of similar size
Euhedral	Mineral grain completely bounded by its own rational crystal faces, forming a tabular, platy, columnar or other habit. Commonly but not necessarily formed by unrestricted growth in a liquid. Same as idiomorphic
Glassy	A texture consisting of some proportion of glassy. Also same as vitric
Graphic	Magmatic texture that consists of an intergrowth of alkali feldspar and quartz, the latter in triangular and hooklike forms resembling ancient writing. Can be coarse where quartz grains are several millimeters or microcrystalline, visible only with a microscope, when it is called micrographic or granophyric
Holocrystalline	Texture made wholly of crystals

Hypidiomorphic-granular	Magmatic phaneritic texture that consists of a mixture of euhedral, subhedral and anhedral grains
Idiomorphic	Same as euhedral
Inequant	Refers to mineral grains whose dimensions are unequal in different directions
Intercumulus	Melt of minerals in the space between cumulus mineral grains
Intergranular	Holocrystalline, microcrystalline texture in which randomly oriented crystals of plagioclase, pyroxene and Fe-Ti oxides form a tight interlocking matrix
Microcrystalline	Texture that consists of a mosaic of crystals that are only visible under a microscope
Myrmekite	In granitic rocks, microcrystalline texture that consists of an intergrowth of vermicular ("wormy") quartz in a sodic plagioclase host
Ophitic	Magmatic texture in which large clinopyroxenes partially to completely enclose smaller euhedral plagioclases
Perlitic	Texture made of concentric cracks in silicic glass formed by hydration under subaerial conditions
Phaneritic	Texture in which grains of major rock forming minerals are all large enough to be identifiable without magnification
Phenocryst	Larger crystal precipitated from a melt embedded in a finer grained or glassy matrix
Poikiolitic	Magmatic texture in which larger crystals called oikocrysts enclose smaller randomly oriented crystals
Porphyritic	Inequigranular magmatic texture made up to two grain sizes, larger crystals commonly euhedral called phenocrysts embedded in a finer- grained or glassy matrix
Seriate	Phaneritic inequigranular magmatic texture in which grains range more or less continuously in size. Contrast with bimodal
Vitric	Glassy
Vitroclast	Fragment of glass
Vitrophyre	Texture in which large crystals (phenocrysts) lie in a glassy matrix