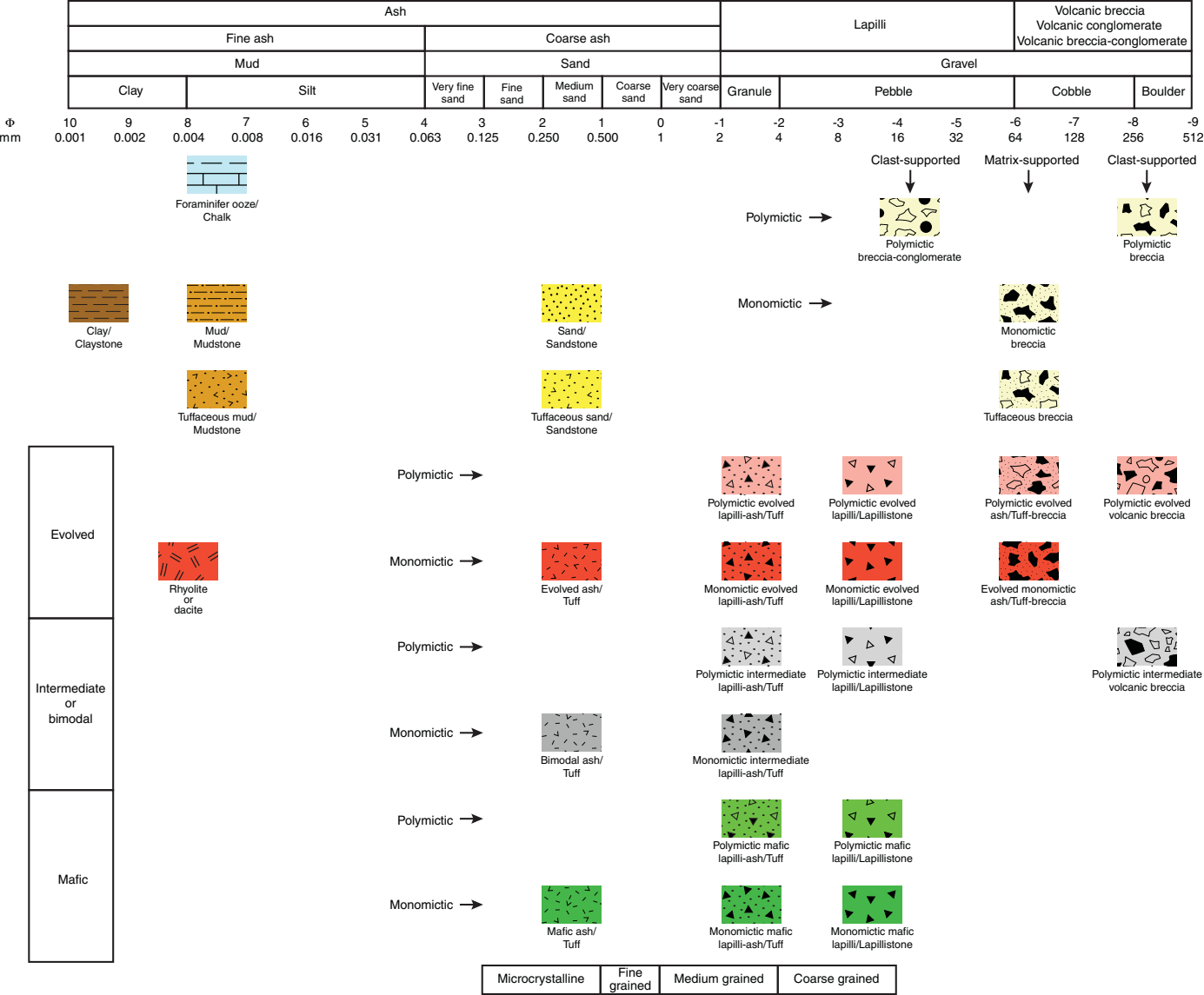
Ash
Lapilli
Volcanic breccia
Volcanic conglomerate
Volcanic breccia-conglomerate
Fine ash
Coarse ash
Mud
Sand
Gravel
Clay
Silt
Very fine sand
Fine sand
Medium sand
Coarse sand
Very coarse sand
Granule
Pebble
Cobble
Boulder
Φ 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6 -7 -8 -9
mm 0.001 0.002 0.004 0.008 0.016 0.031 0.063 0.125 0.250 0.500 1 2 4 8 16 32 64 128 256 512
Clast-supported
Matrix-supported
Clast-supported
Foraminifer ooze/ Chalk
Polymictic
Polymictic breccia-conglomerate
Polymictic breccia
Clay/ Claystone
Mud/ Mudstone
Sand/ Sandstone
Monomictic
Monomictic breccia
Tuffaceous mud/ Mudstone
Tuffaceous sand/ Sandstone
Tuffaceous breccia
Evolved
Intermediate or bimodal
Mafic
Polymictic
Polymictic evolved lapilli-ash/Tuff
Polymictic evolved lapilli/Lapillistone
Polymictic evolved ash/Tuff-breccia
Polymictic evolved volcanic breccia
Monomictic
Rhyolite or dacite
Evolved ash/ Tuff
Monomictic evolved lapilli-ash/Tuff
Monomictic evolved lapilli/Lapillistone
Evolved monomictic ash/Tuff-breccia
Polymictic
Polymictic intermediate lapilli-ash/Tuff
Polymictic intermediate lapilli/Lapillistone
Polymictic intermediate volcanic breccia
Monomictic
Bimodal ash/ Tuff
Monomictic intermediate lapilli-ash/Tuff
Polymictic
Polymictic mafic lapilli-ash/Tuff
Polymictic mafic lapilli/Lapillistone
Monomictic
Mafic ash/ Tuff
Monomictic mafic lapilli-ash/Tuff
Monomictic mafic lapilli/Lapillistone
Microcrystalline
Fine grained
Medium grained
Coarse grained