



Figure 42. Schematic diagram of shock-metamorphic effects produced in the Luna-16 material by meteorite impacts on the two types of source rocks observed. A single impact produces a wide range of deformational effects but tends to preserve original chemical characteristics. Subsequent multiple impacts affect more diverse target rocks, including previously-produced shock products. Continuing and multiple impacts therefore tend to produce more complex, heterogeneous, and mixed rock types which are common in both light and dark microbreccias. The dashed lines connect textural types produced by quenching of a melt, but whose origin as magma (primary) or as impact melt (secondary) is not clear.

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