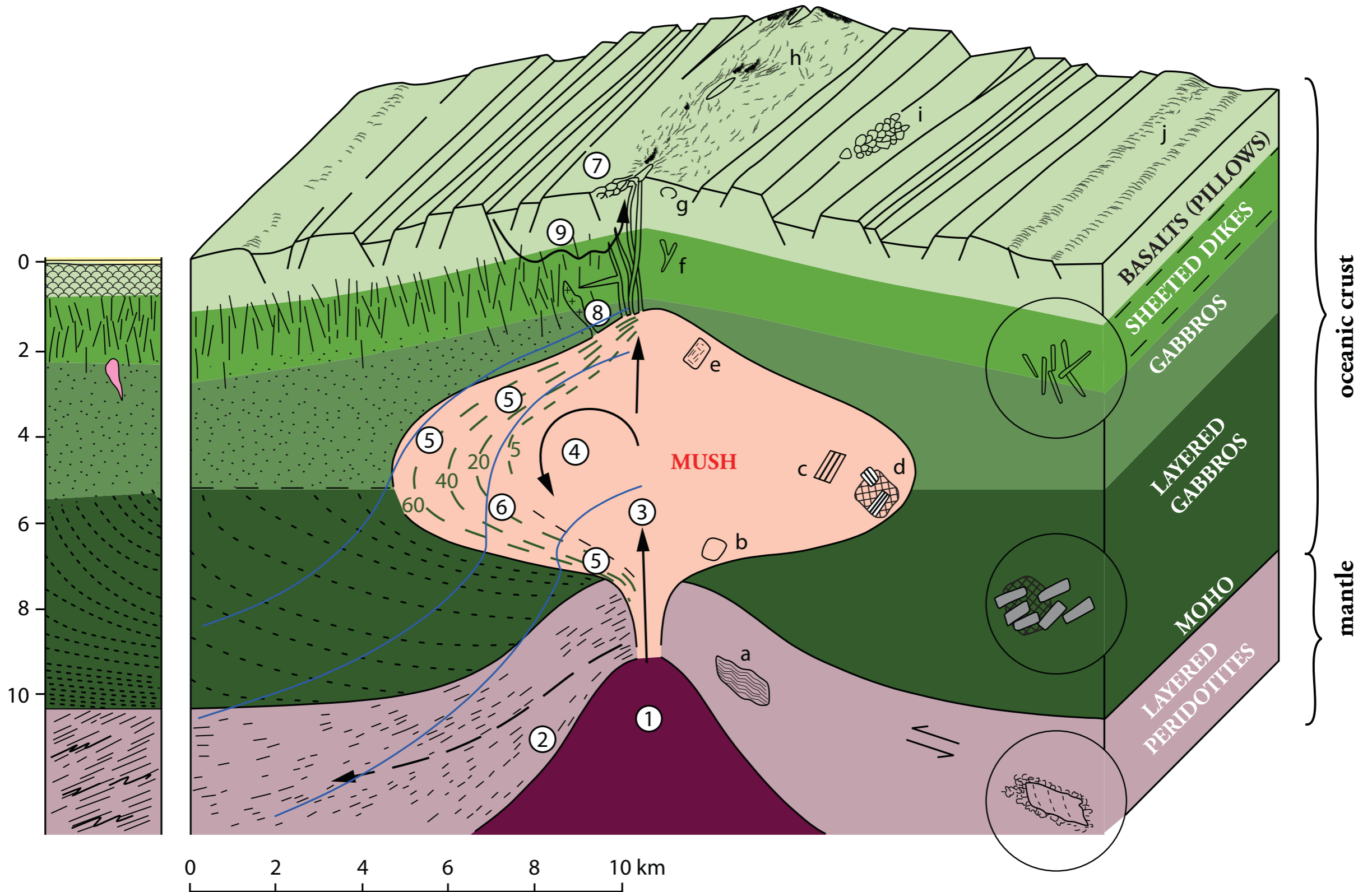
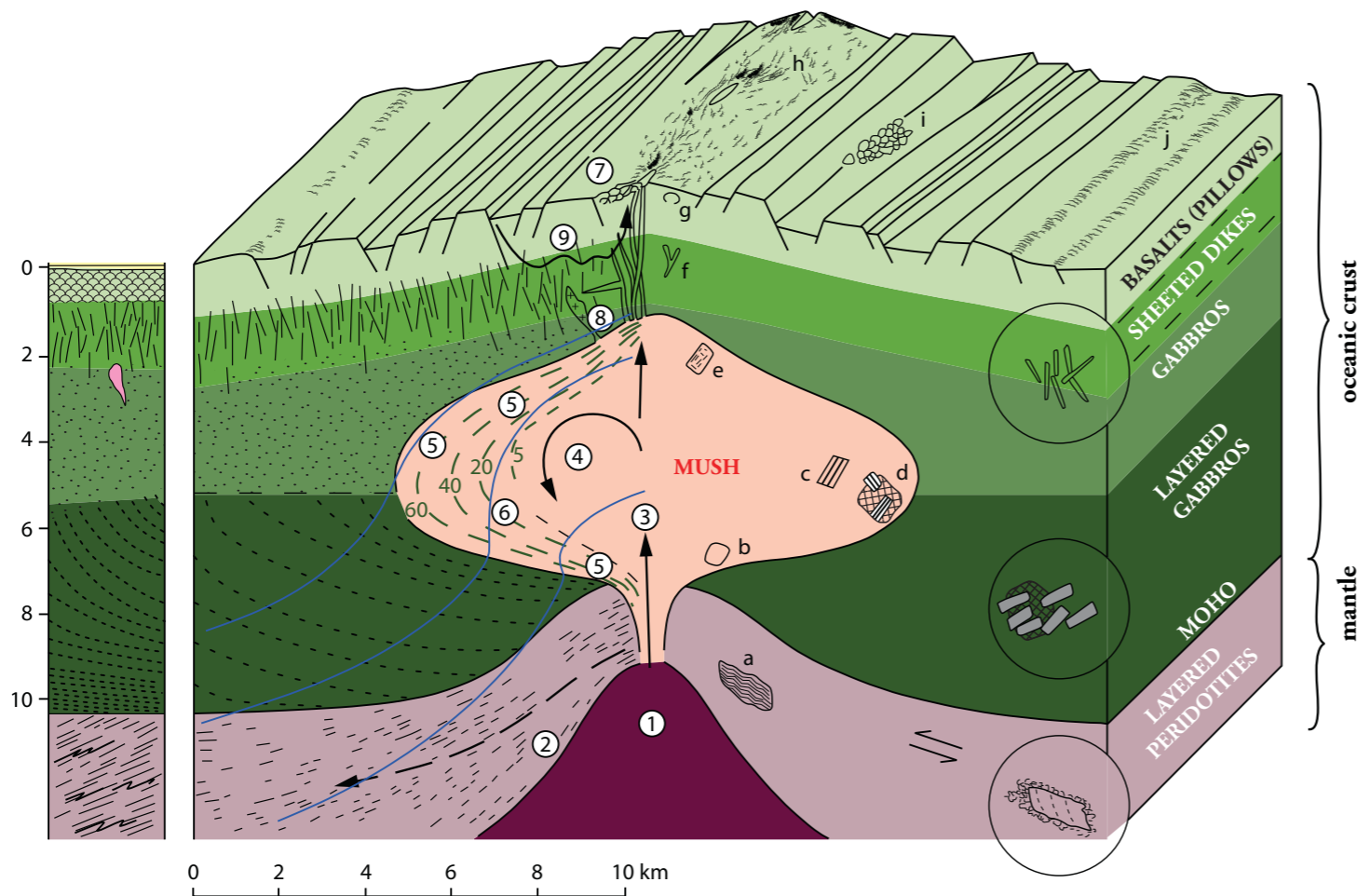


Modelle zur Magmakammer

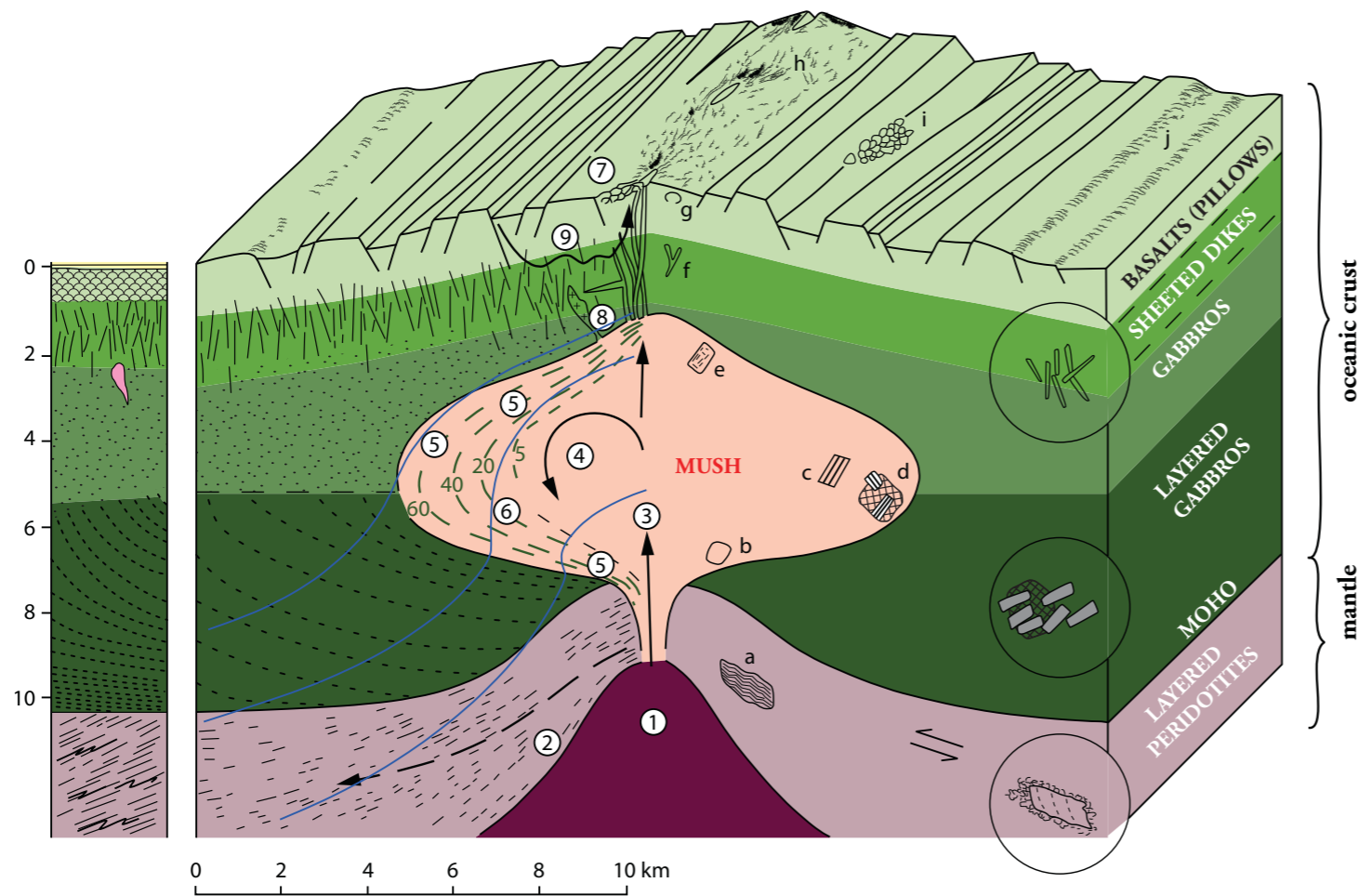


Modelle zur Magmenkammer



1. Rising of the partially molten mantle. Decompression
2. Creeping of the residual mantle
3. Rising of the non-differentiated magma
4. Convection inside the mush
5. % of Fractionated cristallisation (gray numbers)
6. Falling of crystal by gravity
7. Volcanism and formation of pillows
8. Cristallisation of differentiated magma
9. Hydrothermal activity (->local metamorphism)

Modelle zur Magmenkammer



- a. Deformed relic of olivine
- b. Crystallization of Olivine
- c. Crystallization of non zoned plagioclase
- d. Crystallization of clinopyroxene with some plagioclase
- e. Crystallization of mineral under variable chemical composition of the magma -> zoned minerals
- f. Crystallization of phenocrystals in dykes
- g. Quenching of the magma
- h. Black smokers
- i. Collapse along active normal faults
- j. Sedimentary collapse

Spiel: die Differenzen

