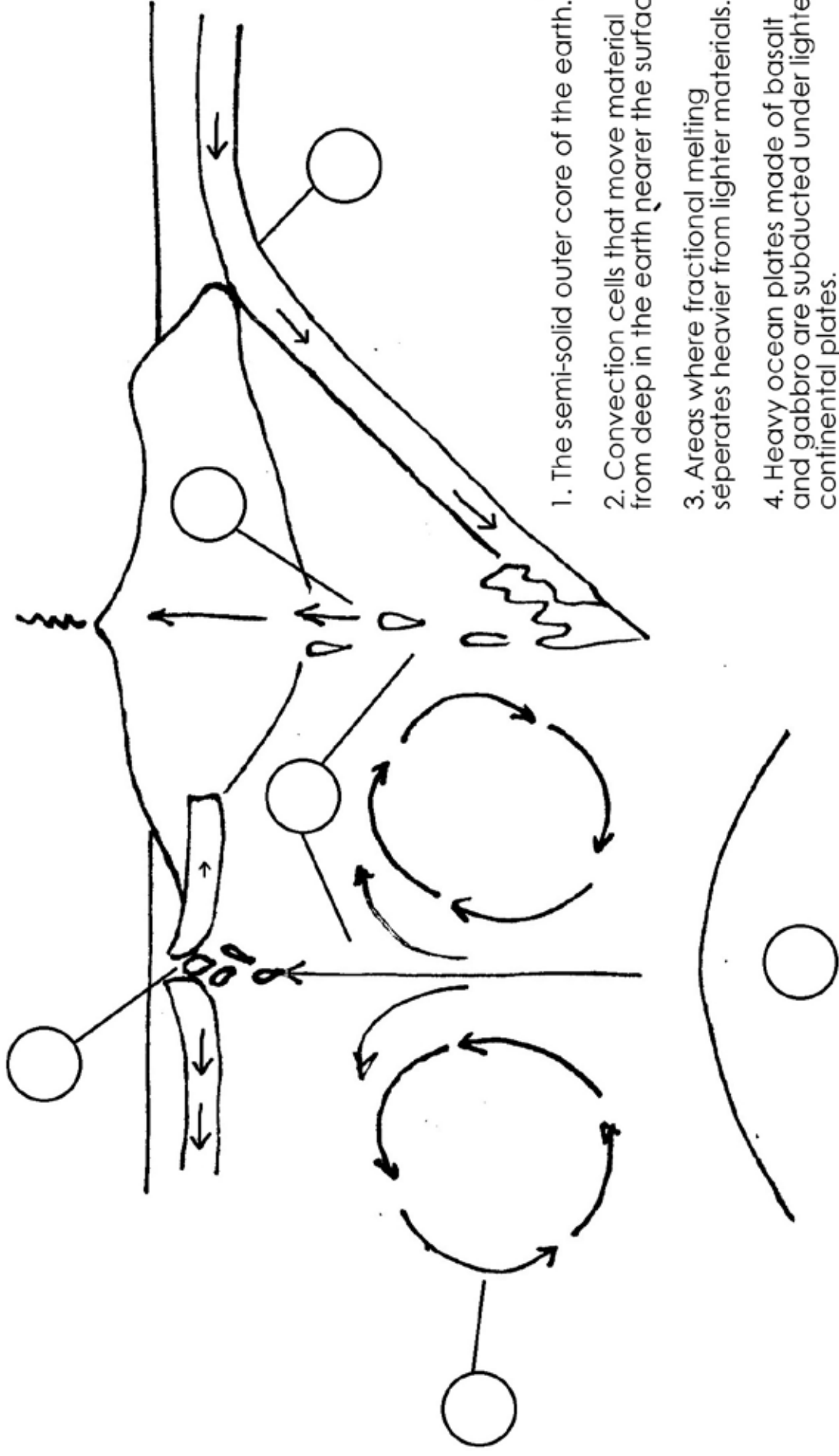


Formation of Mafic and Felsic Rock



1. The semi-solid outer core of the earth.
2. Convection cells that move material from deep in the earth nearer the surface.
3. Areas where fractional melting separates heavier from lighter materials.
4. Heavy ocean plates made of basalt and gabbro are subducted under lighter continental plates.

5. The ocean plates move apart, leaving a gap where mafic magma reaches the surface.

6. Felsic magma, refined, heads for the surface.