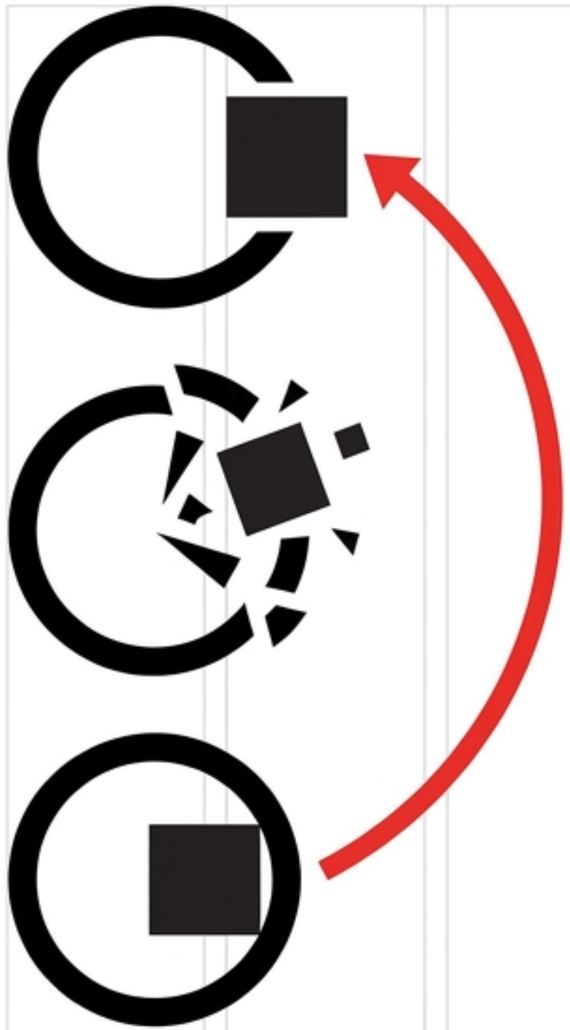

Dermal macrophages phagocytose injected ink particles.

Dying macrophages release trapped pigment contents.

New macrophages recapture the free pigment.

Cycle observed over a 90 day interval.

Macrophage cell renewal ensures long term tattoo persistence.

Ink remains trapped through endless recapture cycles.