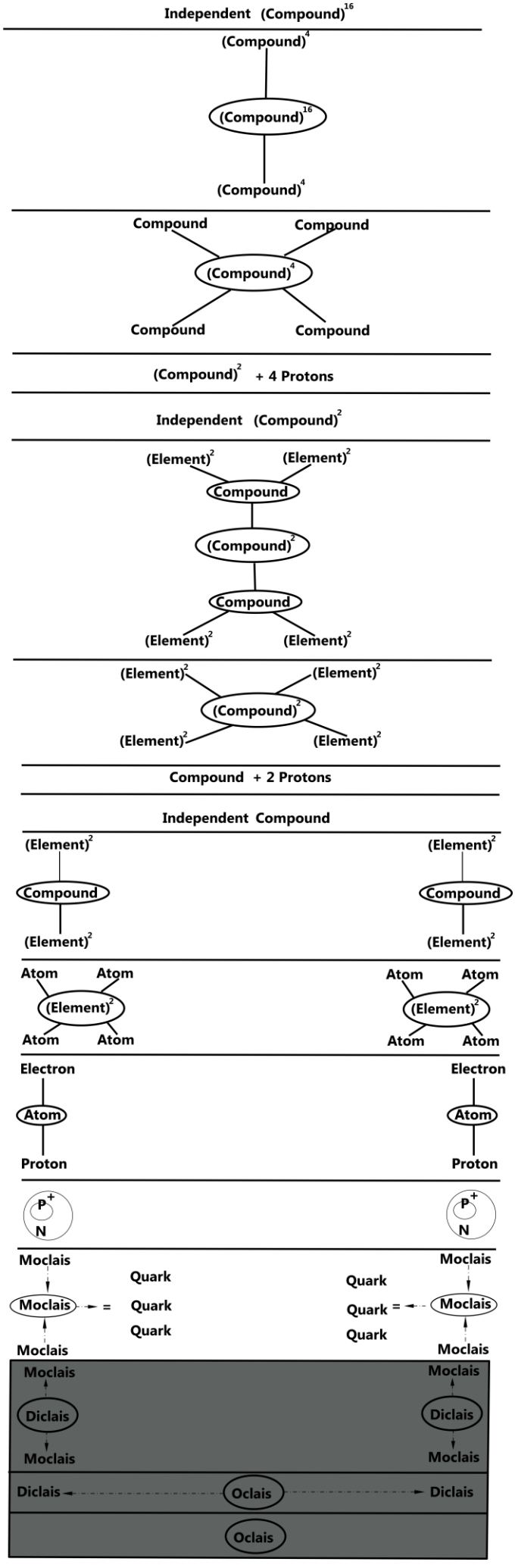Figure 1. Particle flow chart