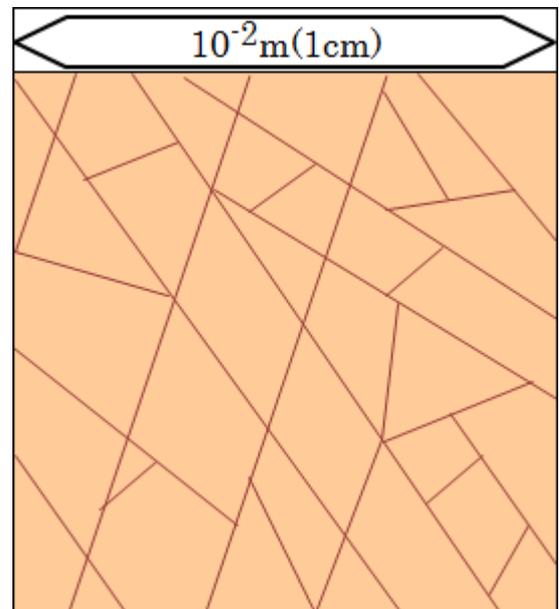
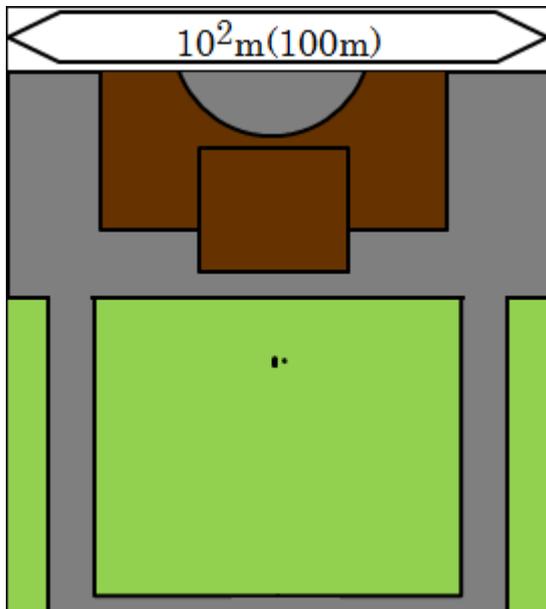
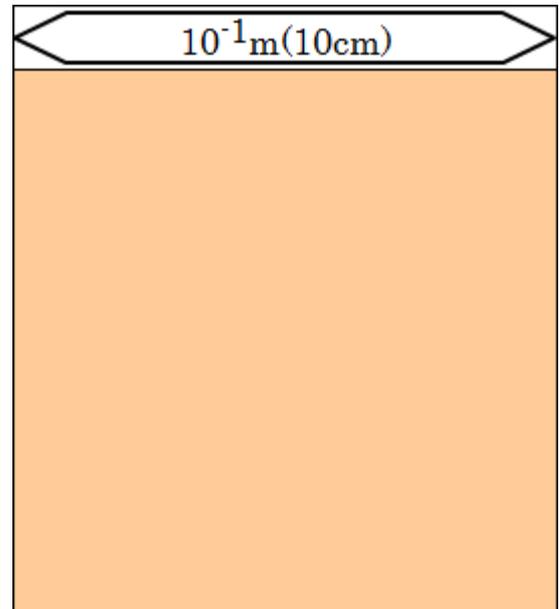
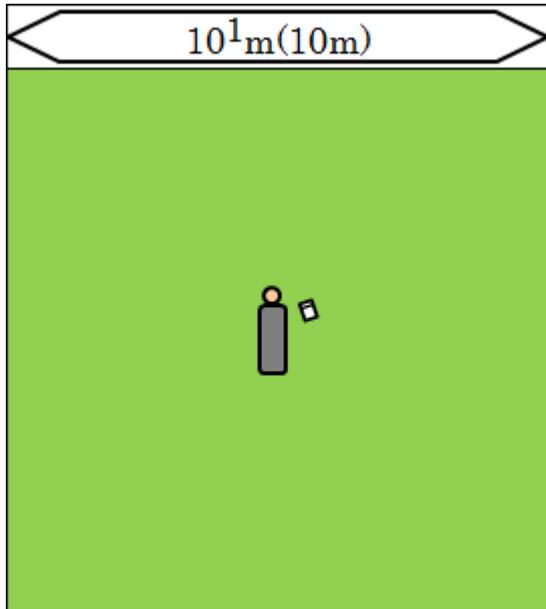
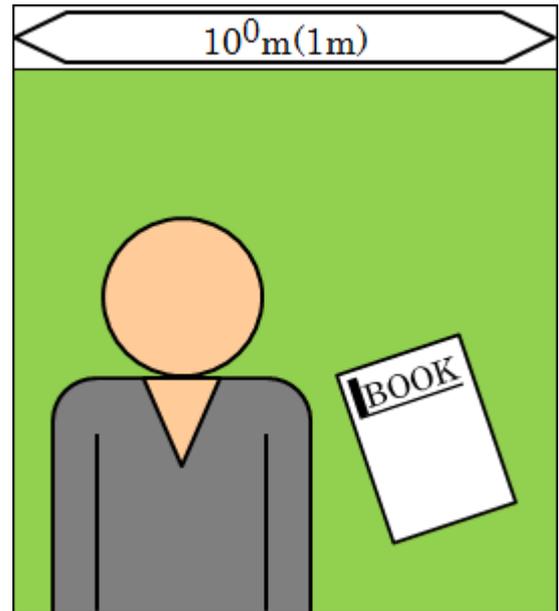
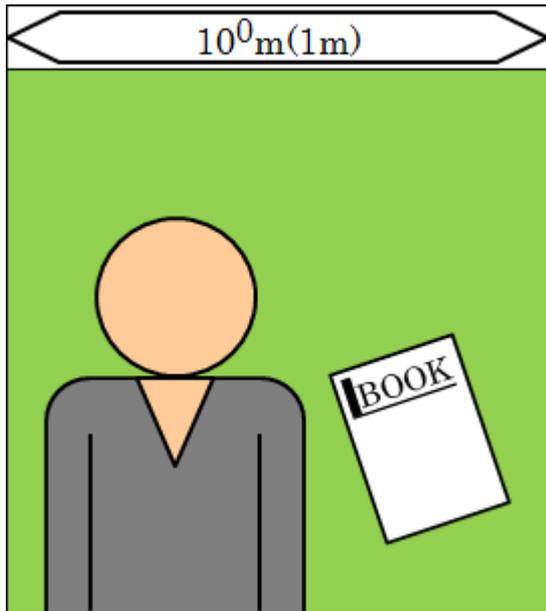
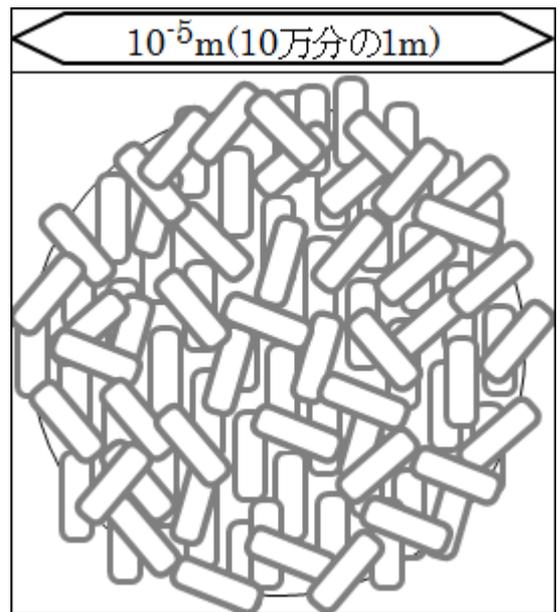
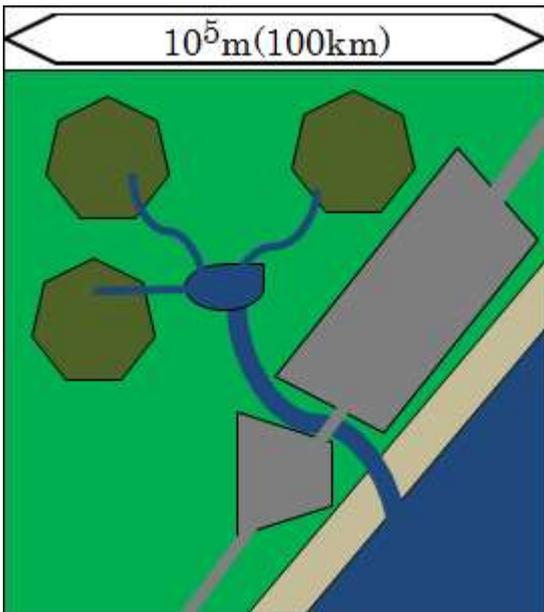
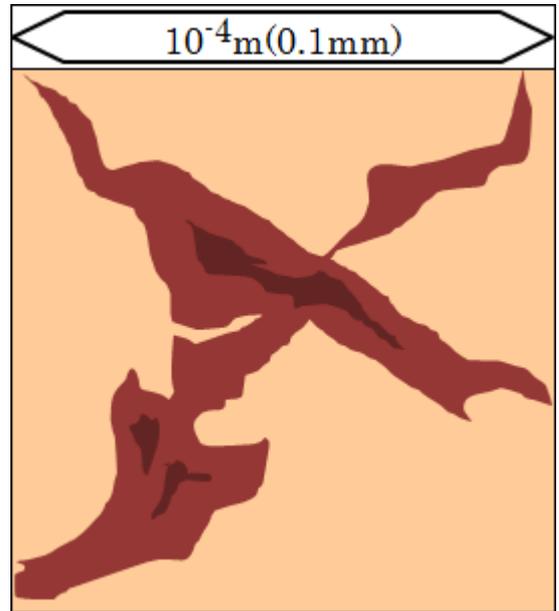
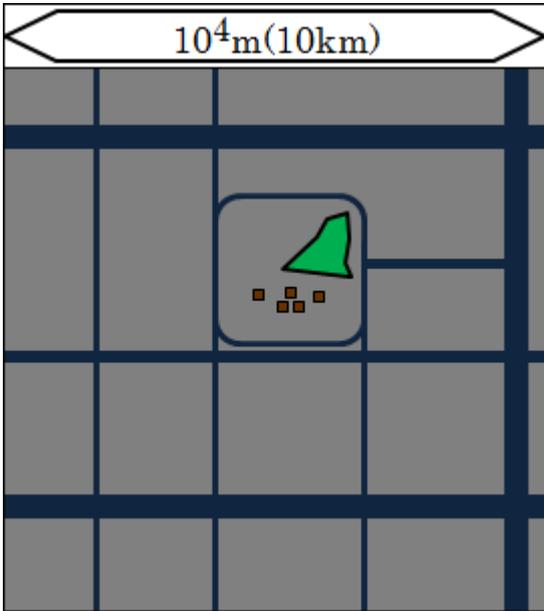
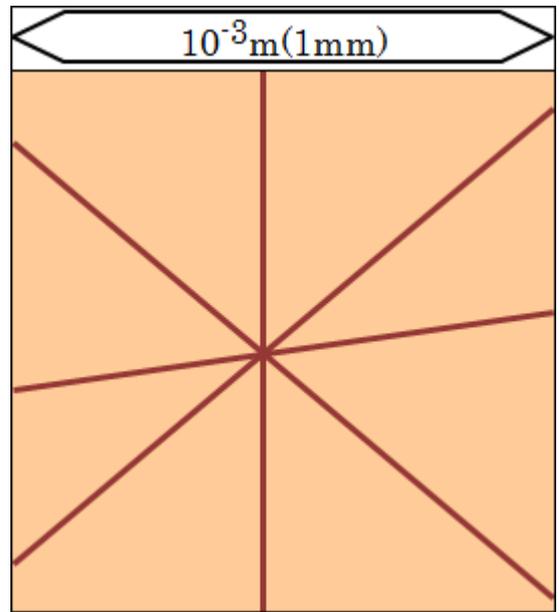
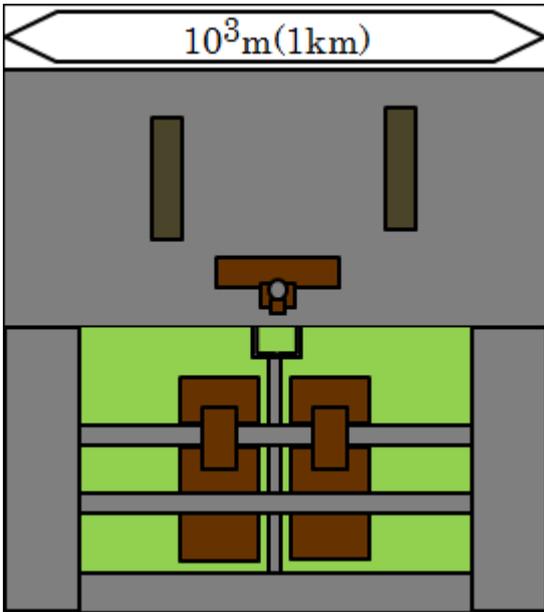


# 自然界を規模から見る(10の累乗)

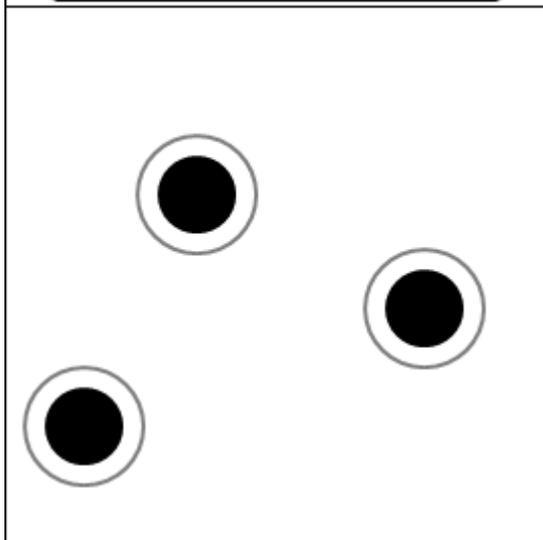




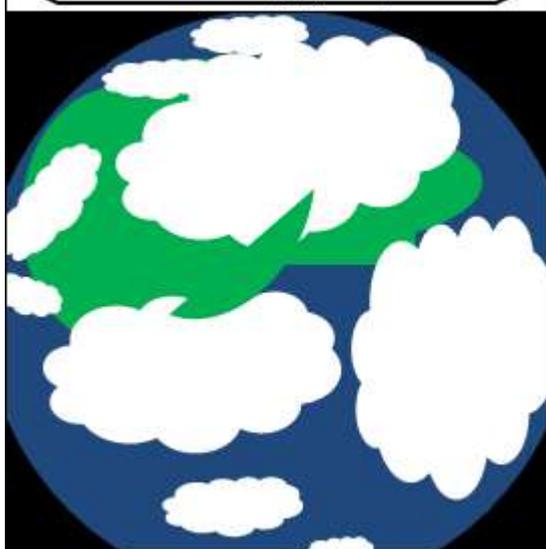
$10^6\text{m}(1000\text{km})$



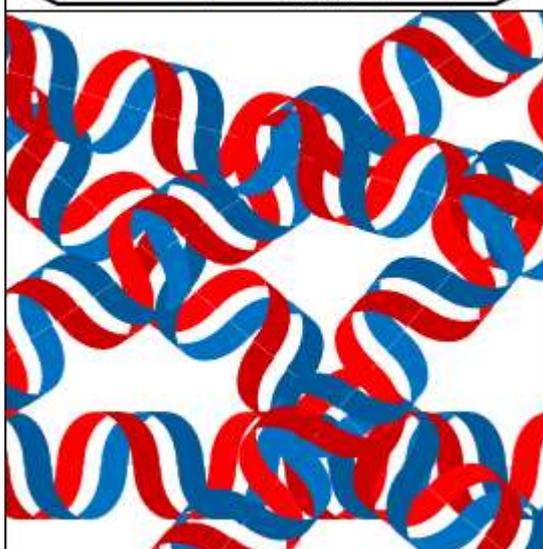
$10^{-6}\text{m}(100\text{万分の}1\text{m})$



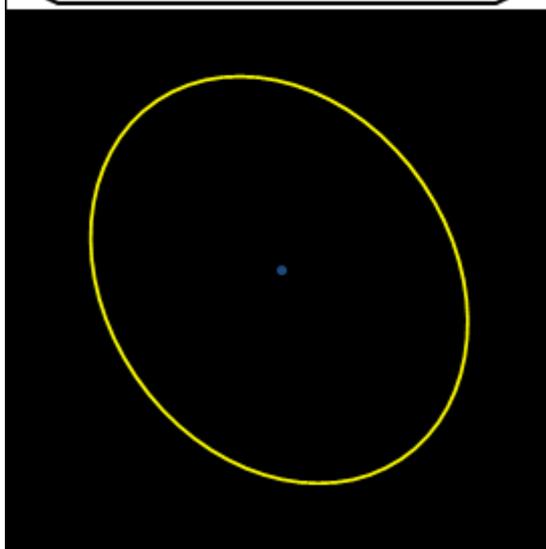
$10^7\text{m}(1\text{万km})$



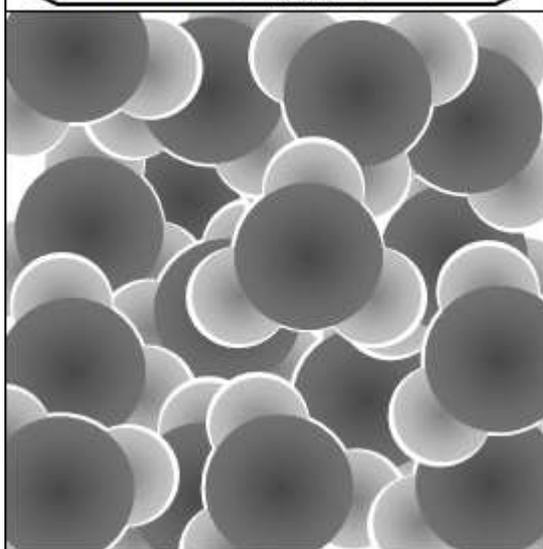
$10^{-7}\text{m}(1000\text{万分の}1\text{m})$

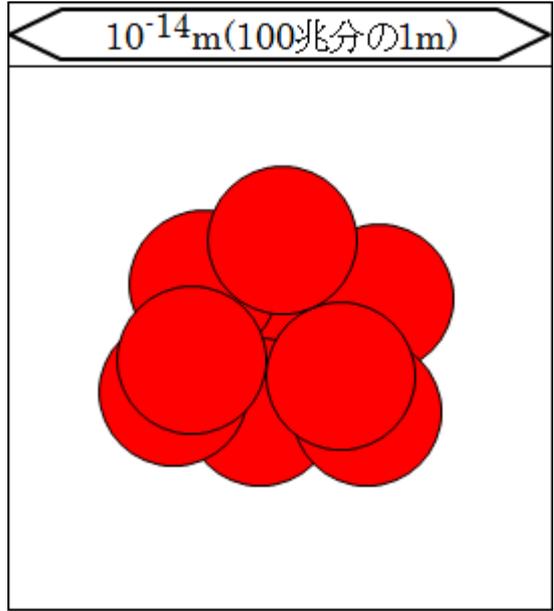
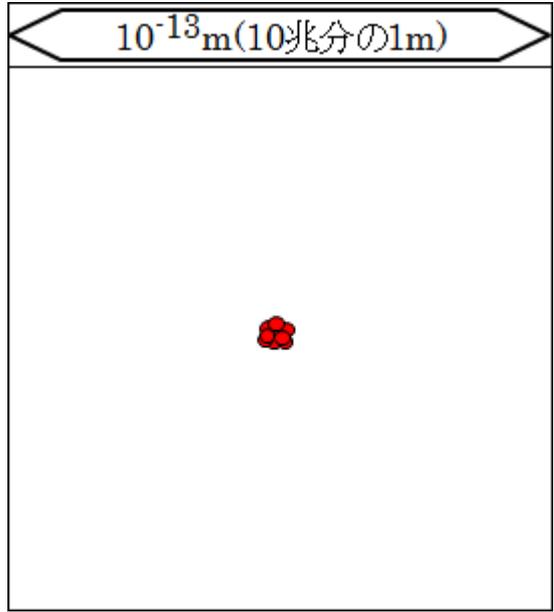
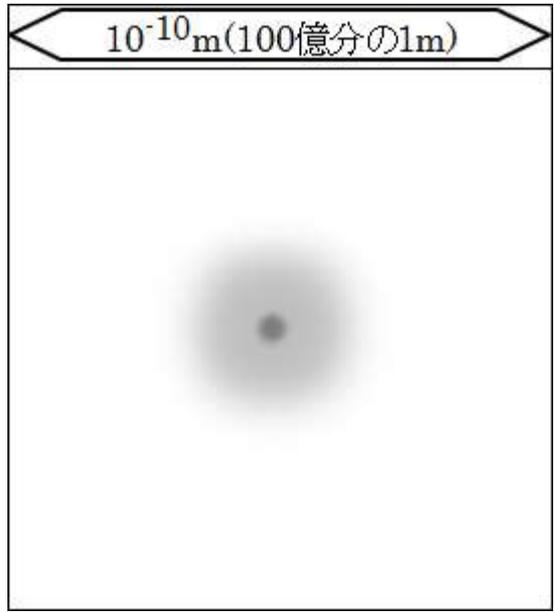
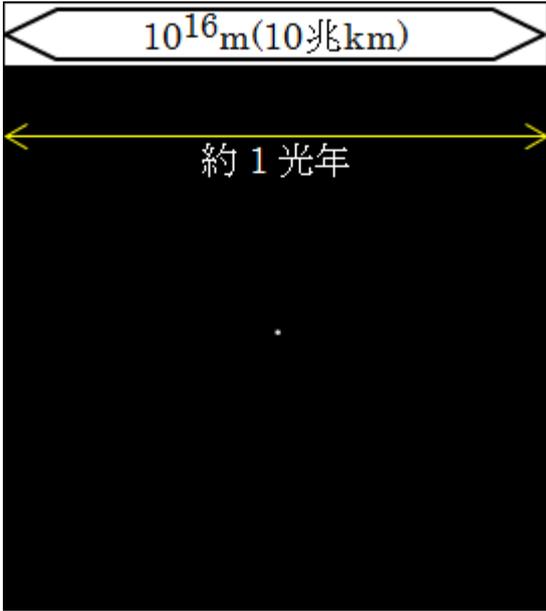
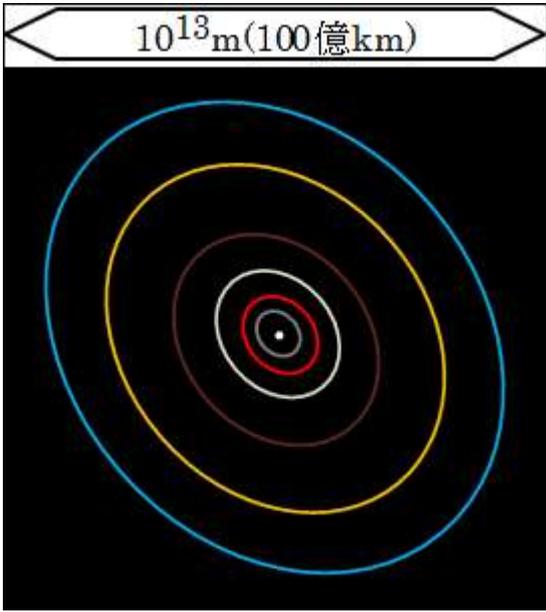
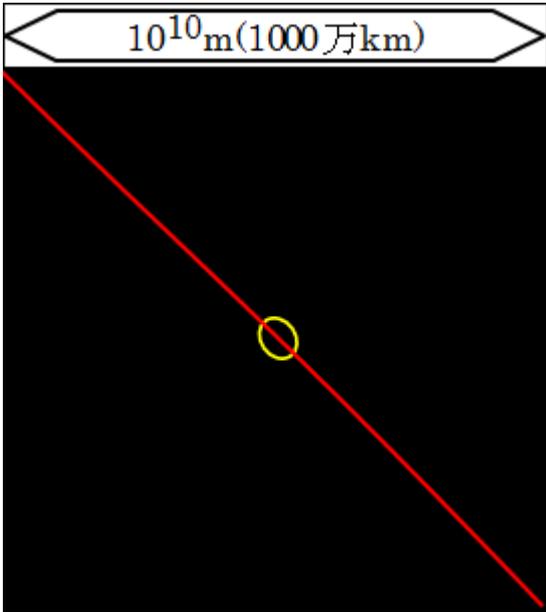


$10^9\text{m}(100\text{万km})$

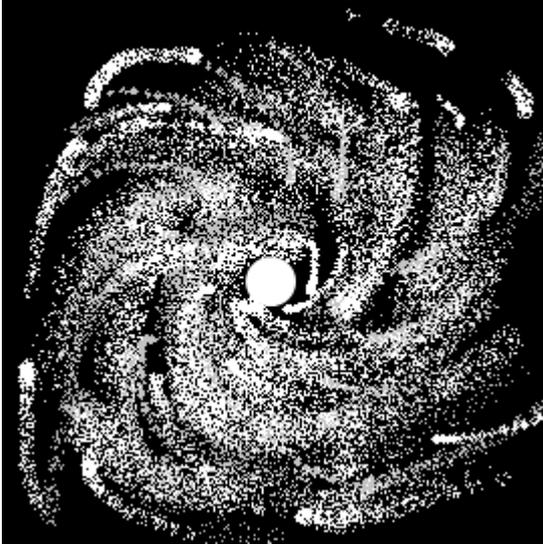


$10^{-9}\text{m}(10\text{億分の}1\text{m})$

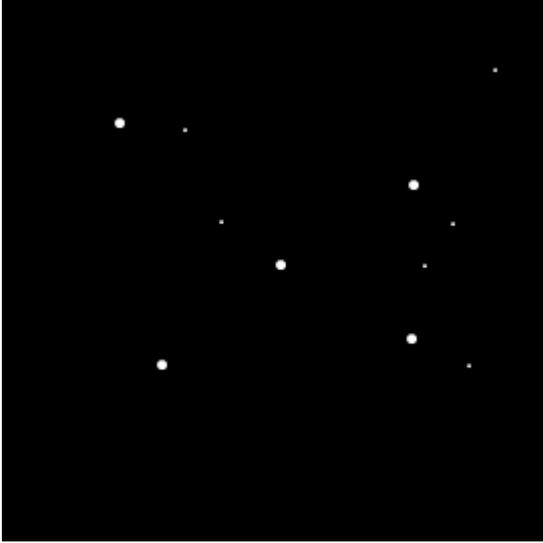




$10^{21}\text{m}$ (10 万光年)



$10^{23}\text{m}$ (1000 万光年)



$10^{-15}\text{m}$ (1000兆分の1m)



図 31.1.自然界の規模

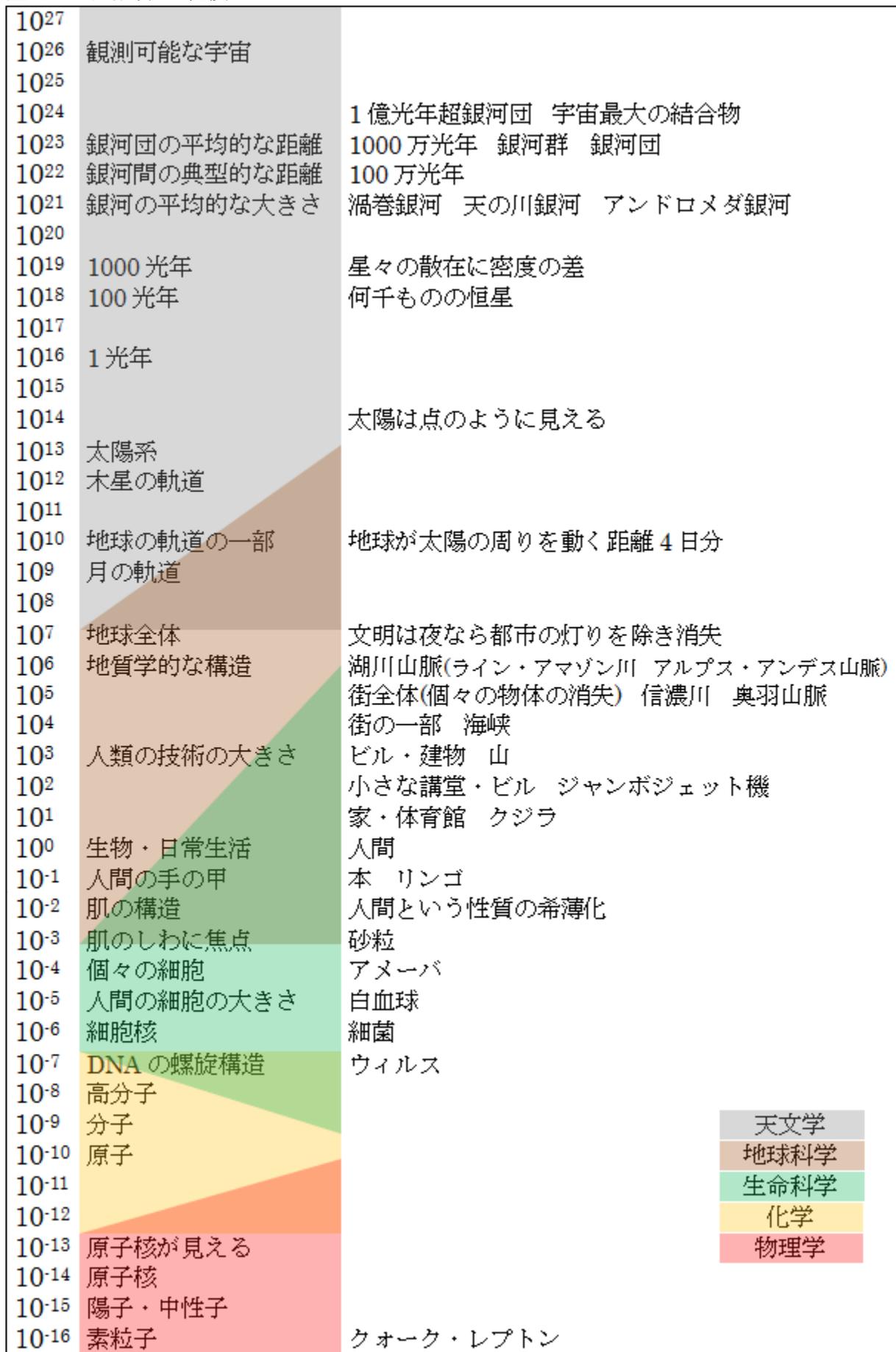


図 31.4.学問未分化時の関係

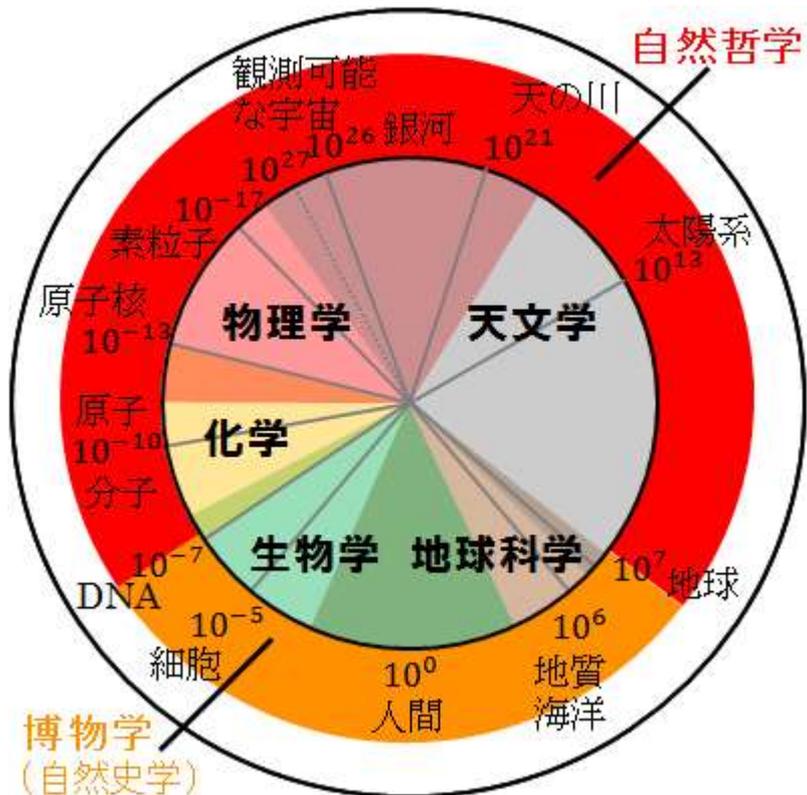
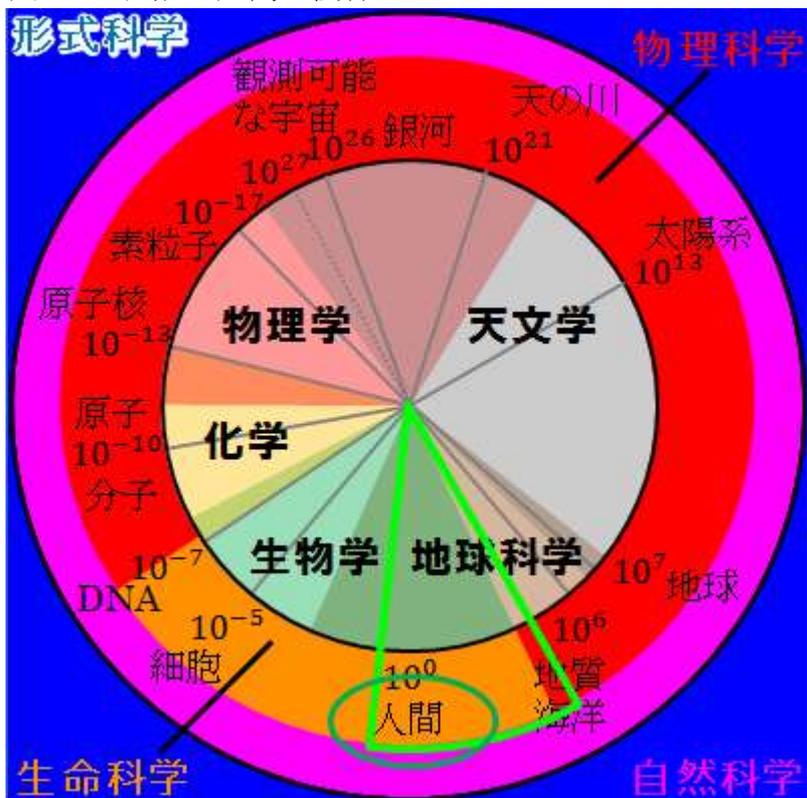


図 31.5.自然と人間の関係



# 人間の存在と関係

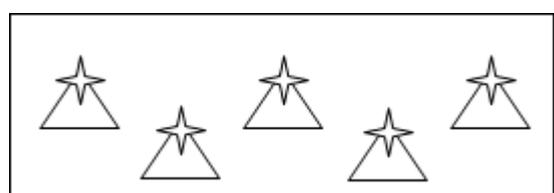
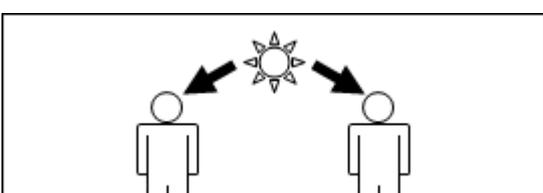
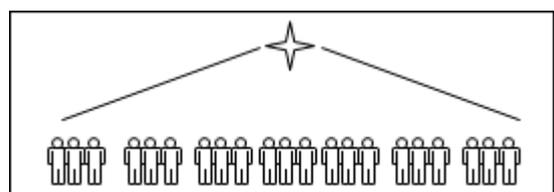
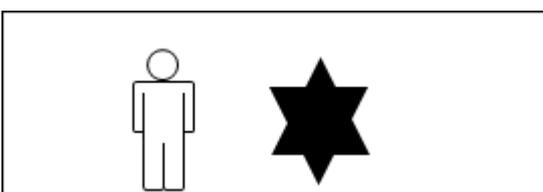
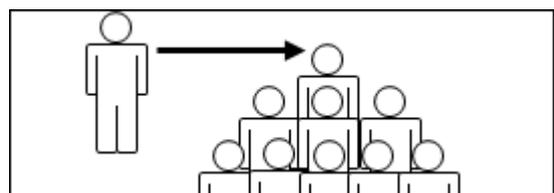
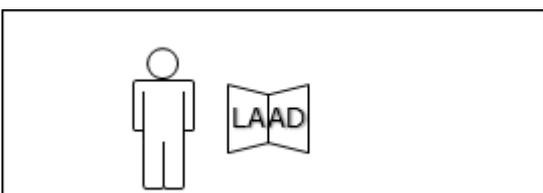
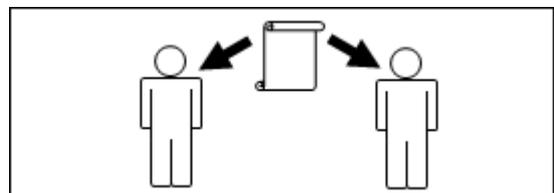
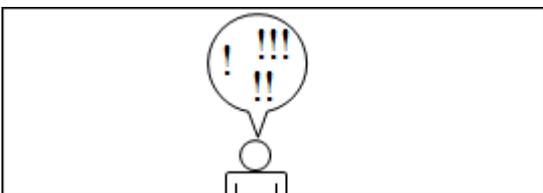
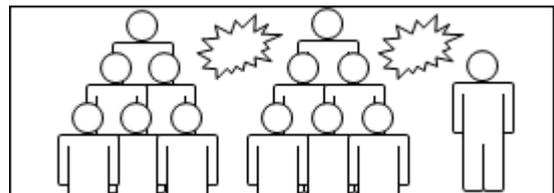
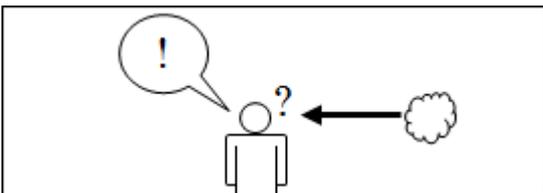
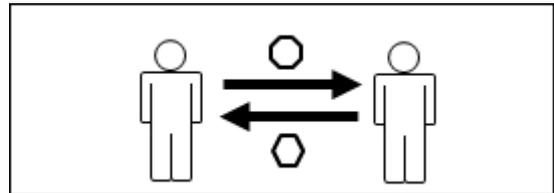
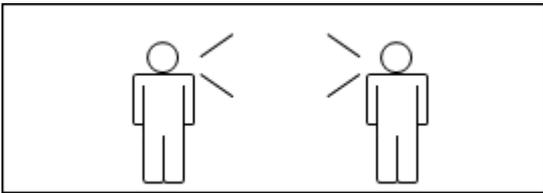
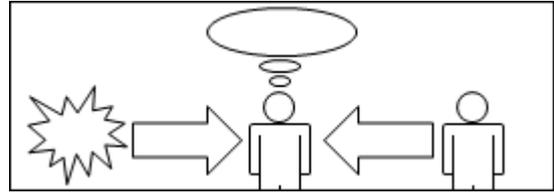
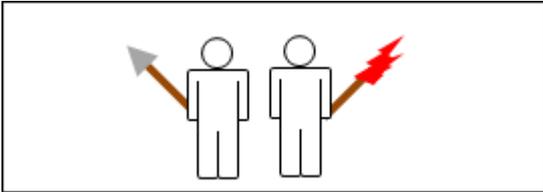
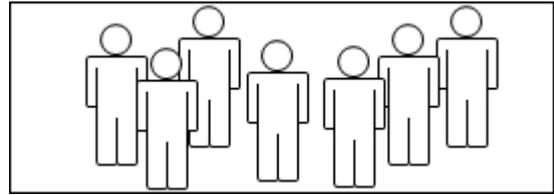
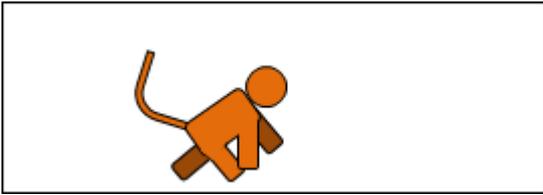


図31. 6.人間の総合的な理解

