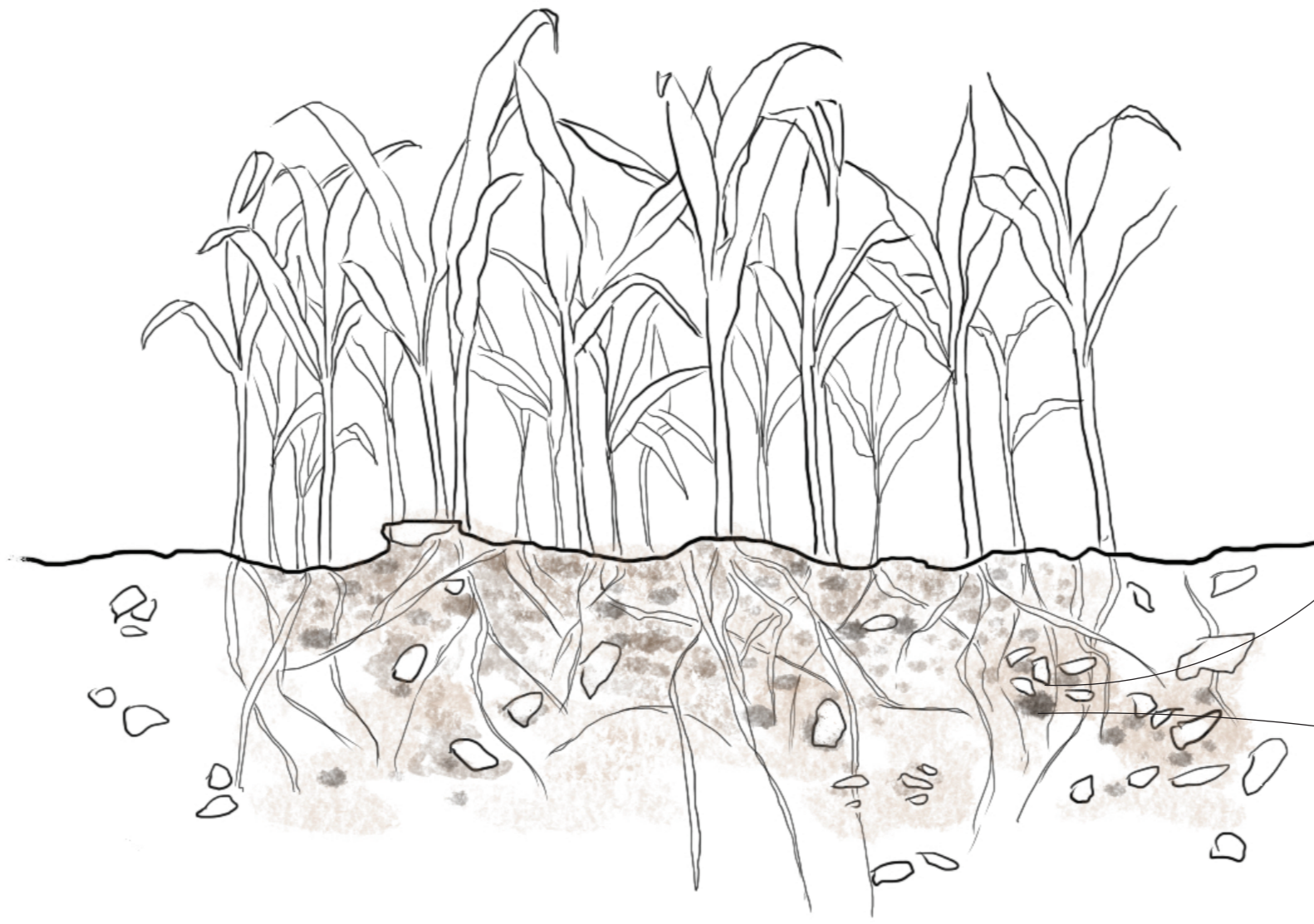


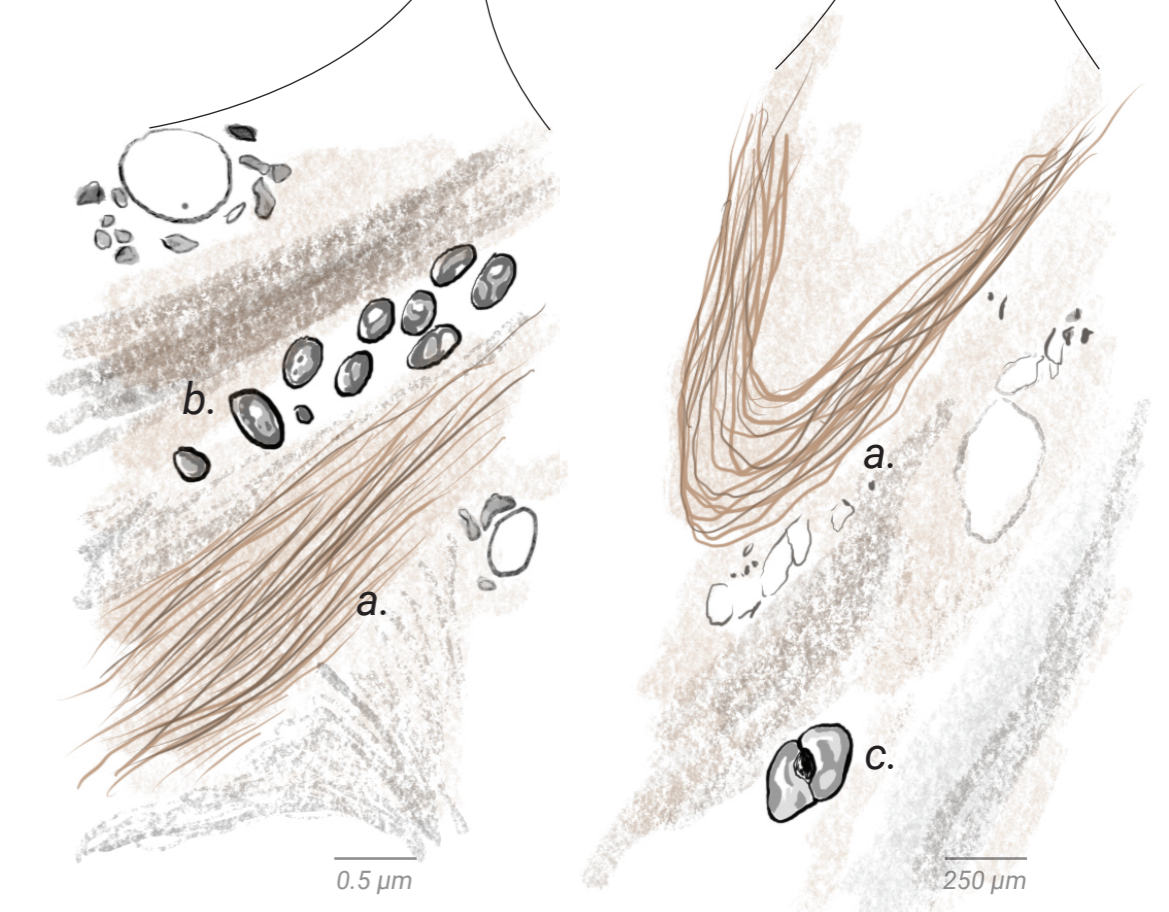
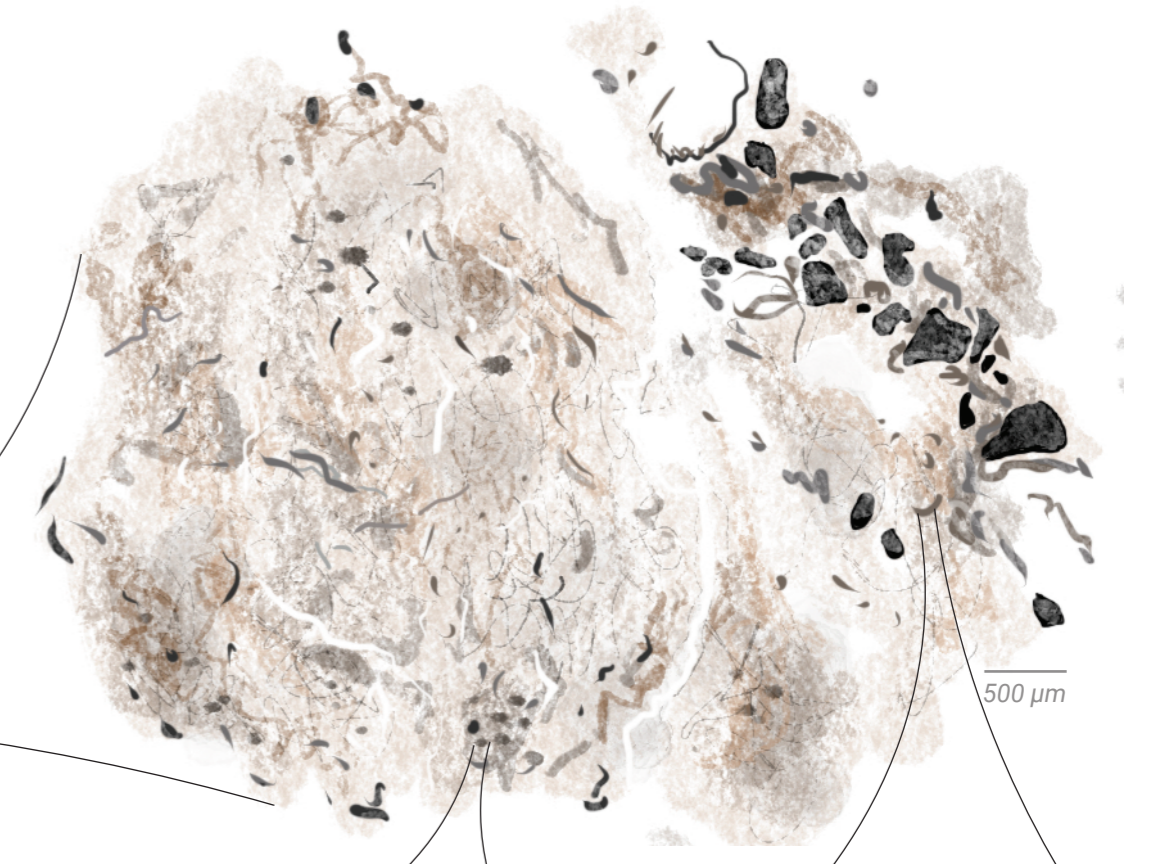
Boues papetières primaires et secondaires



6	7	12	15	19	20
C	N	Mg	P	K	Ca
Carbone 12,011	Azote 14,007	Magnésium 24,305	Phosphore 30,974	Potassium 39,098	Calcium 40,078



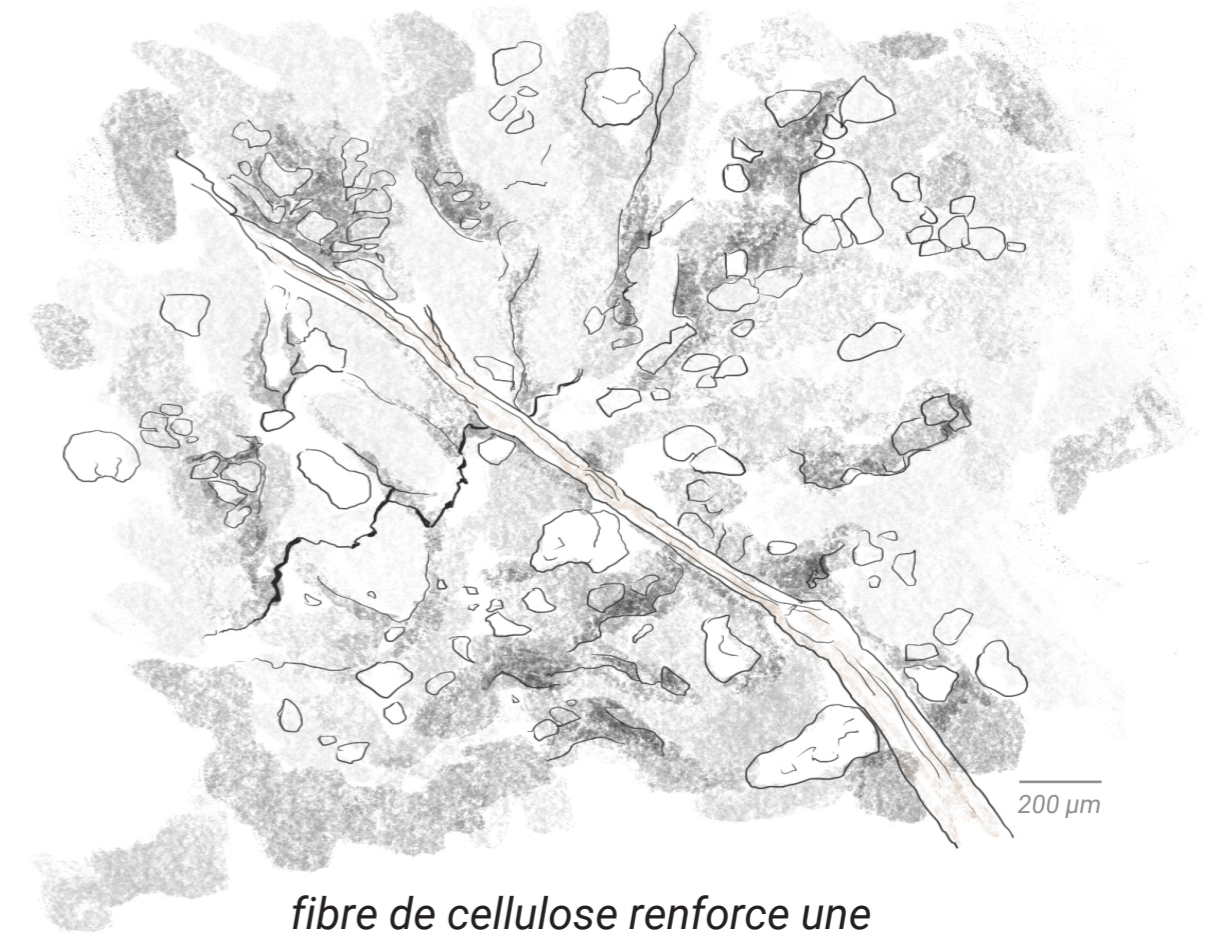
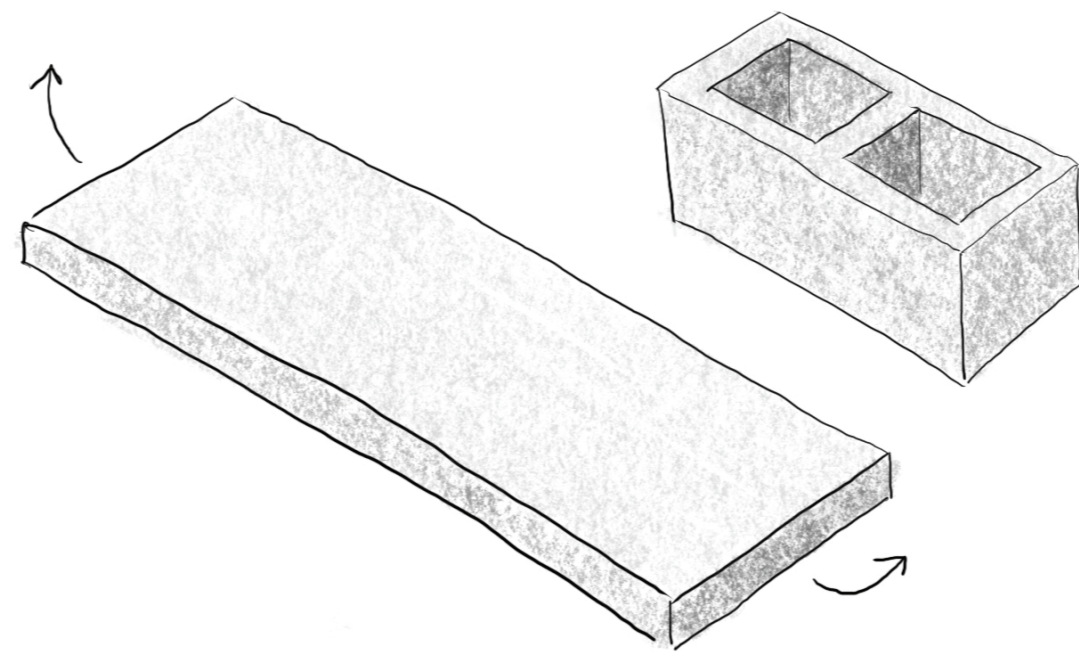
Boues de désencrage



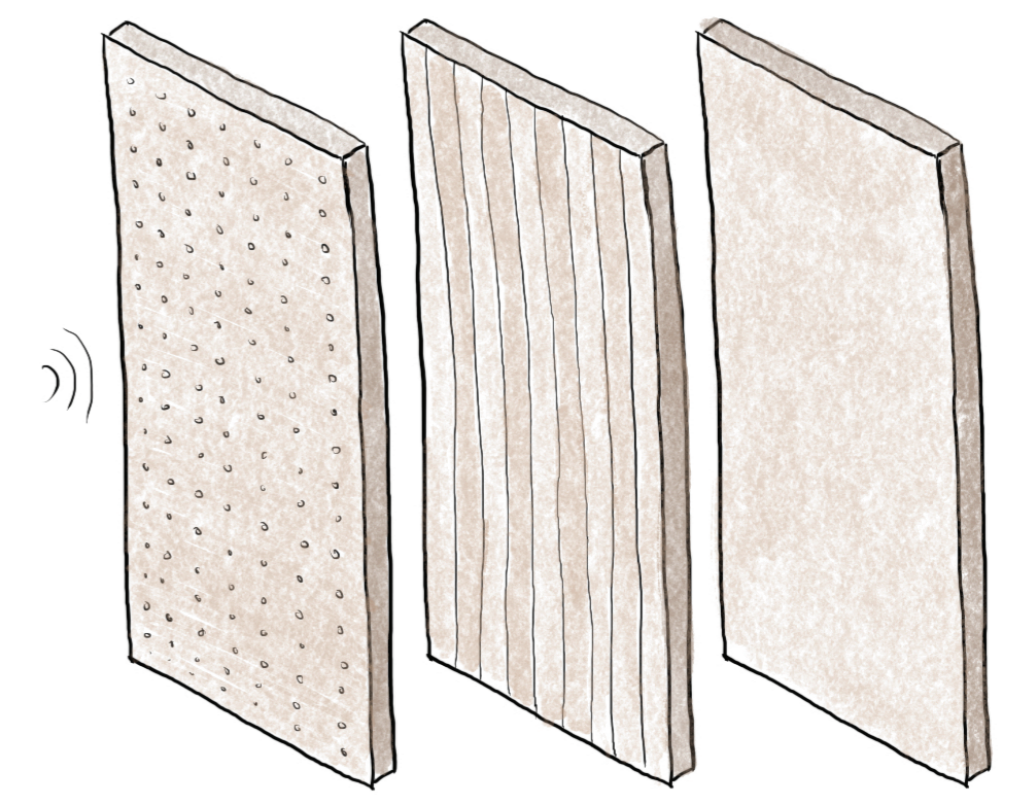
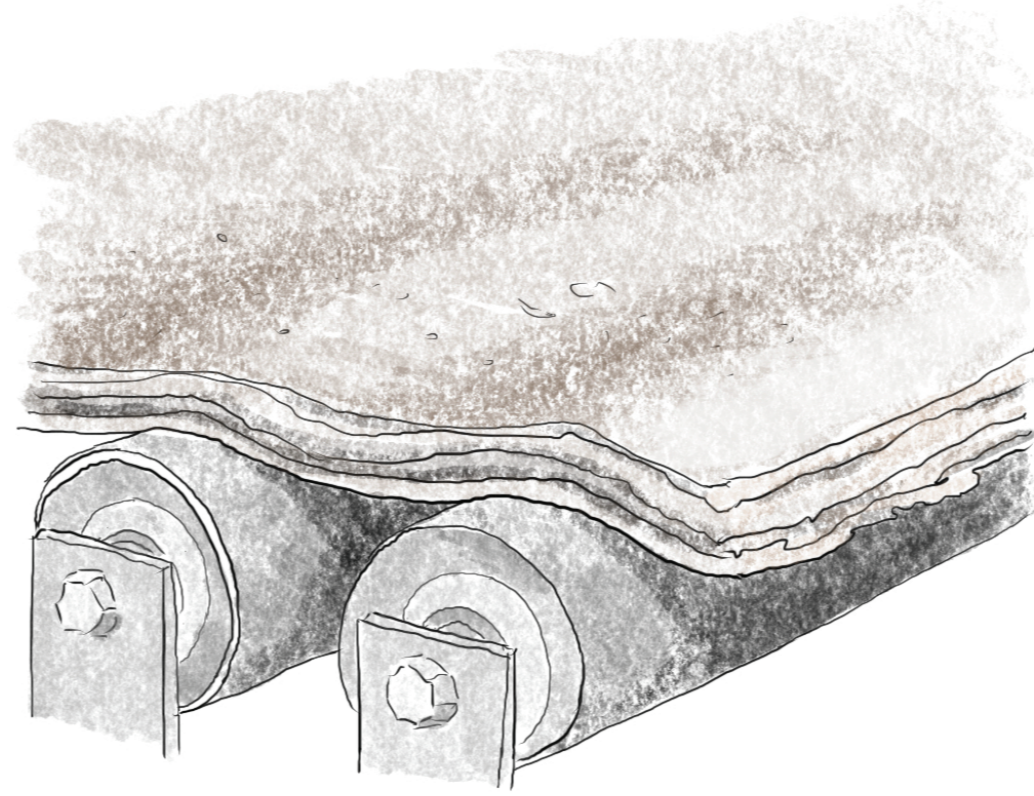
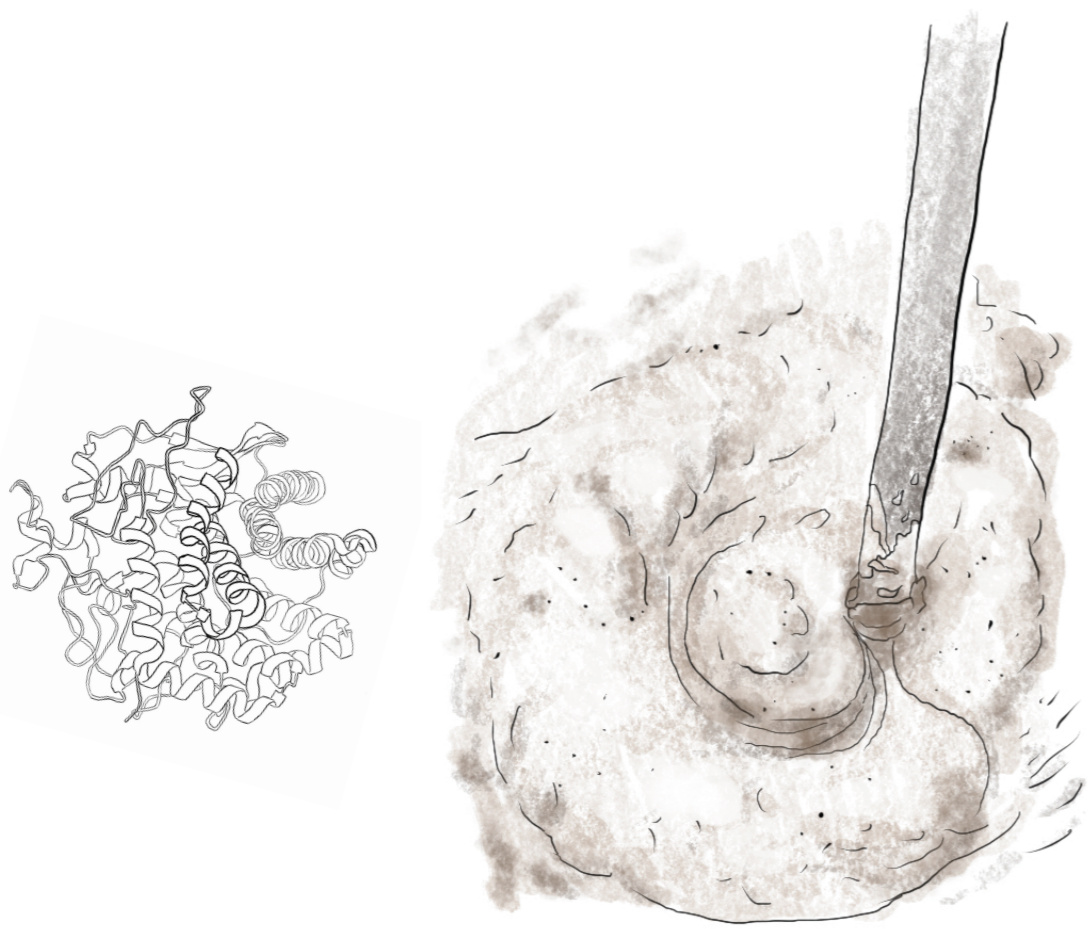
a. fibre de cellulose, b. bactéries, c. champignon



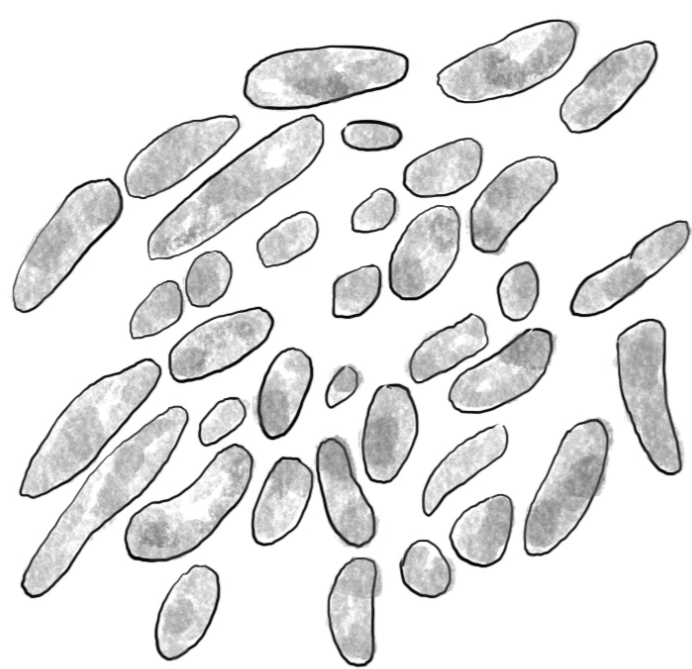
Boues papetières primaires et secondaires



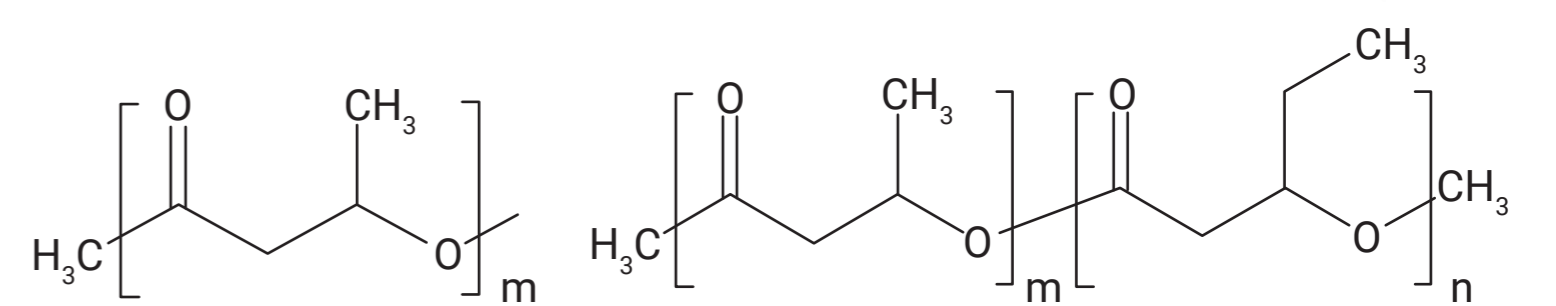
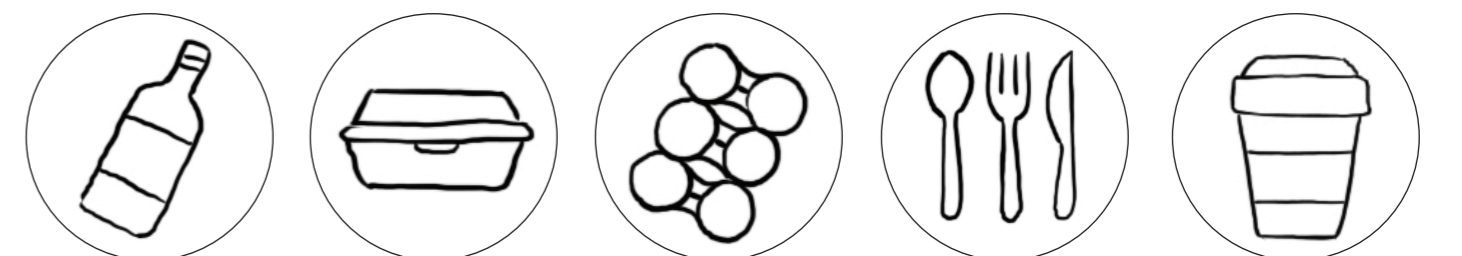
fibre de cellulose renforce une micro-fissure dans le béton



6
C
Carbone 12,011



Bacillus Subtilis



Polyhydroxyalkalonates (PHAs) : bioplastiques

5 Rejets solides de l'industrie Les possibilités des boues papetières