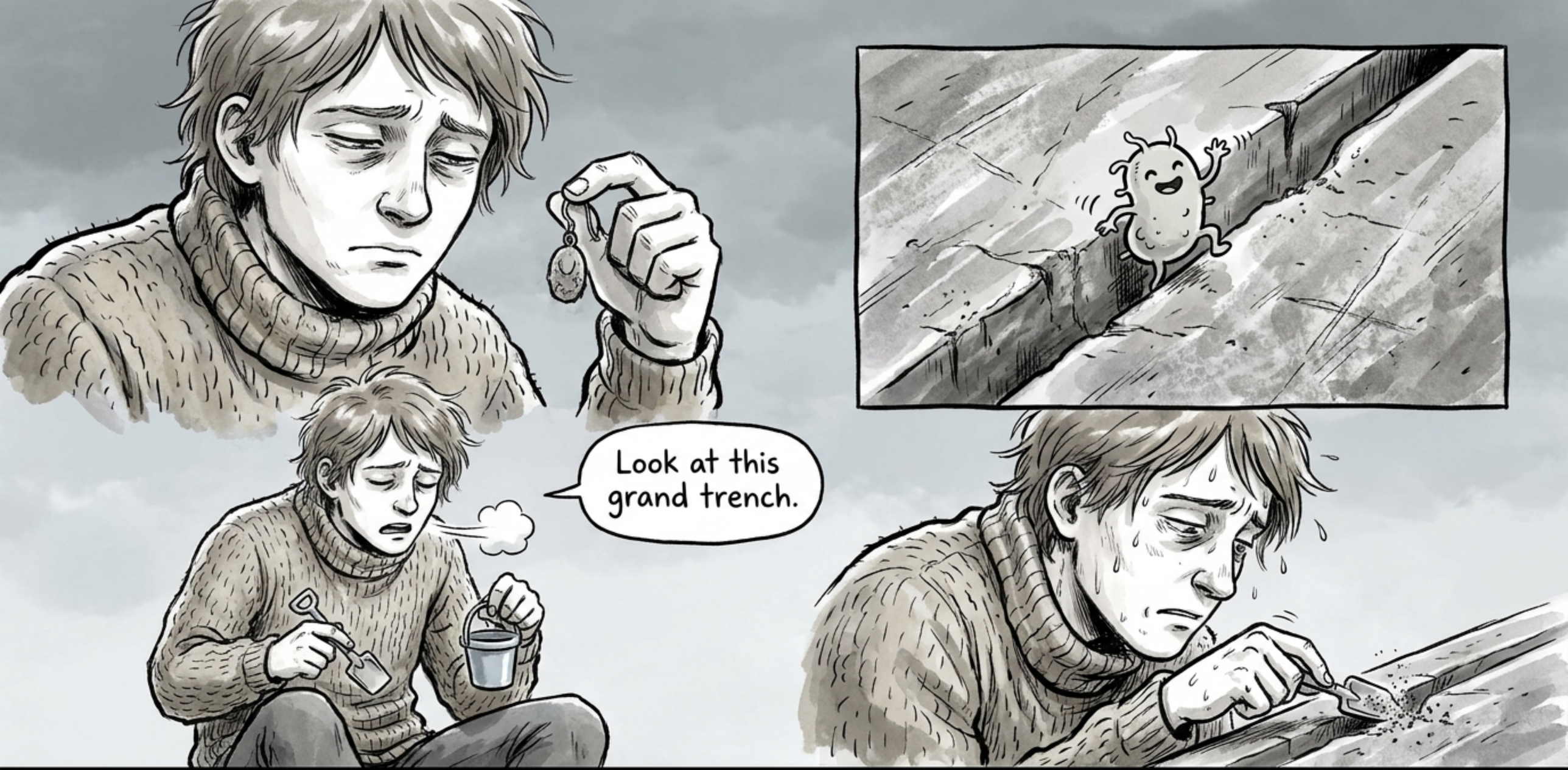

Bacteria utilize tiny appendages to actively explore microscopic trenches and maximize their contact area.

Filling the microscopic valleys by hand is highly inefficient.