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Surface tension is the elastic tendency of a fluid surface which makes it acquire the least surface area possible. Surface tension allows insects (e.g. water striders), usually denser than water, to float and slide on a water surface. However there are also exceptions; single human epidermal stem cells cultured on PDMS with 0.1kPa-2.3 MPa stiffness were unaffected by stiffness regarding cell spreading and differentiation.