

**Air**

**Underwater**

**Hydrophilic**

**High adhesion**

$$\gamma_{fa} = 27 \text{ mN m}^{-1}, \theta_{fa} = 6^\circ$$

**Low adhesion**

$$\gamma_{fw} = 55 \text{ mN m}^{-1}, \theta_{fw} = 138^\circ$$

**Hydrophobic**

**High adhesion**

$$\gamma_{fa} = 27 \text{ mN m}^{-1}, \theta_{fa} = 56^\circ$$

**High adhesion**

$$\gamma_{fw} = 55 \text{ mN m}^{-1}, \theta_{fw} = 70^\circ$$