

Glossary

- absolute pressure** the sum of gauge pressure and atmospheric pressure
- adhesive forces** the attractive forces between molecules of different types
- Archimedes' principle** the buoyant force on an object equals the weight of the fluid it displaces
- buoyant force** the net upward force on any object in any fluid
- capillary action** the tendency of a fluid to be raised or lowered in a narrow tube
- cohesive forces** the attractive forces between molecules of the same type
- contact angle** the angle θ between the tangent to the liquid surface and the surface
- density** the mass per unit volume of a substance or object
- diastolic pressure** minimum arterial blood pressure; indicator for the fluid balance
- diastolic pressure** the minimum blood pressure in the artery
- fluids** liquids and gases; a fluid is a state of matter that yields to shearing forces
- gauge pressure** the pressure relative to atmospheric pressure
- glaucoma** condition caused by the buildup of fluid pressure in the eye
- intraocular pressure** fluid pressure in the eye
- micturition reflex** stimulates the feeling of needing to urinate, triggered by bladder pressure
- Pascal's Principle** a change in pressure applied to an enclosed fluid is transmitted undiminished to all portions of the fluid and to the walls of its container
- pressure** the force per unit area perpendicular to the force, over which the force acts
- pressure** the weight of the fluid divided by the area supporting it
- specific gravity** the ratio of the density of an object to a fluid (usually water)
- surface tension** the cohesive forces between molecules which cause the surface of a liquid to contract to the smallest possible surface area
- systolic pressure** maximum arterial blood pressure; indicator for the blood flow
- systolic pressure** the maximum blood pressure in the artery