

*galerie*; (German.) *Gallerie, Stollen*; (Greek.) *ypohios thiothos*; (Italian.) *cunicolo, galleria*; (Russian.) *hod*; (Spanish.) *galeria*; (Turkish.) *geçit*; (Yugoslavian.) *galerija*. See also chamber; room.

**pathogenic bacteria.** Disease inducing bacteria<sup>[16]</sup>.

**pavement.** See limestone pavement.

**peat.** Decomposed matter, mainly vegetable<sup>[16]</sup>.

**pebble.** A smooth rounded rock fragment<sup>[16]</sup>.

**Péclet number.** 1. measure of the relative contribution of mechanical dispersion and diffusion to solute transport. It relates the effectiveness of mass transport by advection ( $-vx \frac{\partial C}{\partial x} = -P_e \frac{\partial C}{\partial x}$ ) to the effectiveness of mass transport by either dispersion or diffusion ( $P_e = \frac{\partial^2 C}{\partial x^2}$ ). Péclet numbers below  $\approx 0.4$  indicate diffusion/dispersion control; 0.4–6.0 suggest that diffusion/dispersion and advection are in transition and thus approximately equal to each other; and  $>6.0$  indicate advection control. Large Péclet numbers indicate strongly advective systems. 2. A relationship between the advective and diffusive components of solute transport expressed as the ratio of the product of the average interstitial velocity, times the characteristic length, divided by the coefficient of molecular diffusion. Small values indicate diffusion dominance, large values indicate advection dominance<sup>[22]</sup>.

**pearl.** See cave pearl.

**pediment.** An inclined erosion surface covered with thin fluvial deposits<sup>[16]</sup>.

**pendulite.** A kind of stalactite which has been partly submerged<sup>[25]</sup>.

and the submerged part covered with dog-tooth spar to give the appearance of a drumstick.

**pellicular water.** 1. The film of water left around each grain or fracture surface of water-bearing material after gravity drainage<sup>[22]</sup>. 2. Water of-adhesion<sup>[22]</sup>. 3. Water that can be extracted by root absorption and evaporation but cannot be moved by gravity or by the unbalanced film forces resulting from localized evaporation and transpiration<sup>[22]</sup>.

**peloid.** A microscopic texture. A sedimentary grain composed of micrite carbonate irrespective of origin<sup>[20]</sup>. Synonyms: (French.) *peuloide*; (German.) *mikroskopisches, sedimentäres Gefüge*; (Greek.) *piloidis*; (Italian.) *peloide*; (Spanish.) *peloide*; (Turkish.) *peloit*. See micrite, pelsparite.

**pelsparite.** A microscopic texture. A limestone composed of pellets (peloids) in a matrix of cement<sup>[20]</sup>. Synonyms: (French.) *pelsparite*; (German.) *Pelsarite, Kalkstein gefügt aus Kügelchen ?*; (Greek.) *pelsparitis*; (Italian.) *pelsparite*; (Spanish.) *pelsparita*; (Turkish.) *pelsparit*. See peloids.

**pendant, rock pendant.** One of a group of isolated similarly proportioned