

ROSACEAE (Rose Family)
Order Rosales

Large worldwide family, centered in northern hemisphere. Very diverse and well represented in Alaska. Includes plants of economic value (apples, almonds, etc.) and ornamentals (roses, burnet).

Trees, shrub, and herbs. Leaves are stipulate, alternate, and quite variable in shape and dissection. Flowers are perfect, actinomorphic, and variously arranged. Perianth usually 5-merous; 5 sepals are fused at their base and often subtended by an epicalyx, the 5 or more petals are distinct and may be clawed. Carpels 1 to many and either superior or inferior. Anthers 5 to numerous. All floral parts are attached to a hypanthium which ranges from a flat disk to an urn-shaped container, depending on species, and/or the stage of fruit development. Fruits are also variable, and include achenes, drupes, pomes, and aggregates. Most species are insect pollinated, having showy flowers with nectar and abundant pollen available. Some taxa are selfing, apomictic, or frequently hybridize...causing much taxonomic grief!

Rubus (cloud berry, salmon berry), *Potentilla* (cinquefoils, silver weeds), *Sibbaldia*, *Geum*, *Sanguisorba* (burnet), *Rosa* (wild rose), *Dryas* (mountain avens), *Spiraea*, *Amelanchier*, *Sorbus*, *Luetka*, *Chamaerhodos*, *Aruncus*, *Fragaria*, and a few more.

Terms: drupelet, achene, epicalyx, hypanthium/receptacle, hip.

