

PAVLODAR STATE PEDAGOGICAL INSTITUTE

CONTRACTILE ROOT

WROTE: ZHUNUSPAEVA A.E. BM13

CHECKED: KOROGOD N.P.

Adventitious or lateral roots with a pronounced capacity for longitudinal contraction, resulting in shoots being drawn into the soil.



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**This modification of
roots, as the pull
roots, typical of many
bows, wooded area,
saffron (Crocus),
many orchids, water
plants, etc**

Contractile roots due to the special structure able to be shortened by 10-70%, and drag the bulbs, corms, rhizomes, etc under the ground, which prevents plants from freezing in the winter.

**Externally
contractile
roots are
thick, with
transverse
striations.**



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In angiosperm often contractile roots that provide a snug fit to the ground sockets (dandelion, plantain, etc.).

Thanks to an underground position of the root collar and the vertical **rhizome, provided a deepening of the tubers in the soil. The contractile roots allow the shoots to choose the most favorable depth in the soil.**

In adverse climatic conditions, for example in the Arctic, involving the roots to help survive the difficult winter flower-bud and buds resume.

Adventitious roots	Придаточные корни	Қосалқы тамыр
Lateral roots	Боковые корни	Жанама тамыр
Rhizome	Корневище	Тамырсабақ
Root	Корень	Тамыр
Tuber	Клубень	Түйнек
Plant	Растение	Өсімдік

**Thank you for
your attention**