

**PAVLODAR STATE PEDAGOGICAL INSTITUTE**

# **CONTRACTILE ROOT**

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**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.**

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

**Thank you for  
your attention**