Reason-Fertilisers along with soil, water acts as a hypertonic solution. Exosmosis takes place and cells of the plant become flaccid and die.

3.Weeds can be killed by adding salt to it.

Reason- when salt is added to the soil, water near the roots of weeds, becomes hypertonic. So, exosmosis takes place and water moves out of the cells of weeds and kills them.

4. Leaves of certain plants roll up/ wilt on a bright sunny day.

Reason:- This is adaptation of plants to reduce the rate of transpiration by reducing the exposed leaf surface area.

5.Xerophytes have their leaves modified to spines.

Reason-Xerophytes grow in water scarcity areas. In order to reduce the rate of transpiration, their leaves are modified into spines

6. Herbaceous plants growing in well watered soil are found to wilt on a hot day.

Reason- On a hot day, the rate of transpiration will be more than the rate of absorption from the soil. 7.The raisins swell – up when kept in water. from the soil.

7. The raisins swell - up when kept in water.

n enters into the raising when they are kept in water due to Reasons: Water being hypotonic so endosmosis.

8.Pota firm & increases in size. en placed in w

Reason- Endosmosis takes place when a potato is placed in water (hypotonic). The cells of potato becomes turgid, so they became firm and increases in size.

9. Pickles can be preserved by adding Salt to it.

Reason-By adding salt to pickles, the growth or/and multiplication of bacteria can be prevented due to plasmolysis.

10.Uprooted plants die.

Reason-A plant absorbs water and mineral salts from their roots only. Therefore, when the plant is uprooted, it has no source of water & mineral Salts, necessary for photosynthesis and therefore it dies.

11. Rate of guttation is not regulated.

Reason- The rate of guttation is not regulated as the opening of hydathodes have lost the power of movement.

12. The roots of some plants are seen growing through walls and crevices.