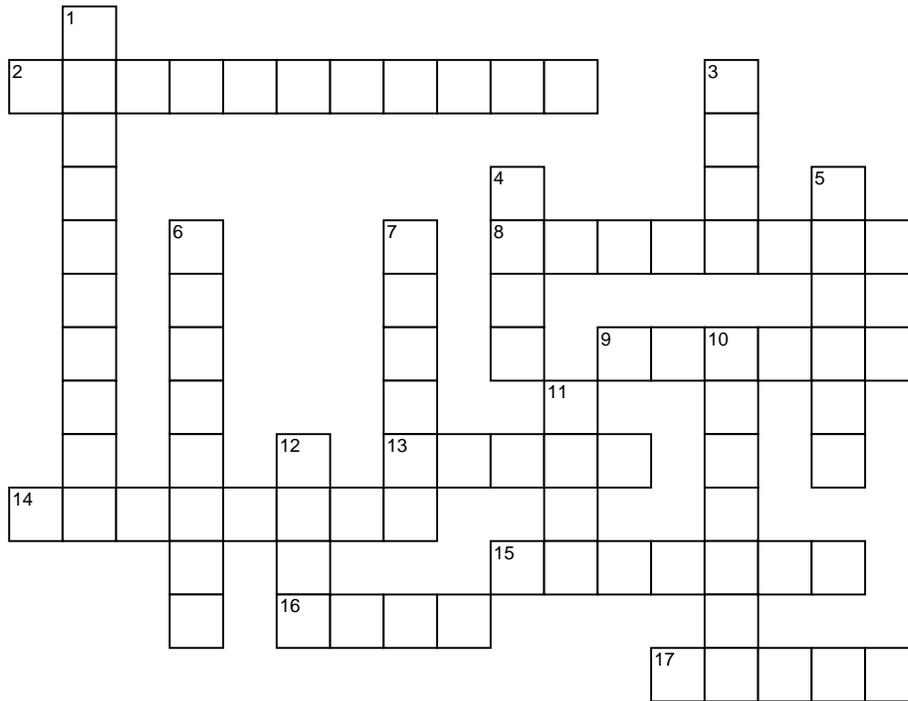


# Plants 3.1

## Mixing Media



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### ACROSS

- 2 A mineral, or minerals, classified with the micas, which with treatment at high temperatures, expands into scales, and becomes a loose, absorbent mass.
- 8 –The process by which air in the soil is replenished by air from the atmosphere.
- 9 A mineral calcium sulfate, combined with water of hydration.
- 13 measurement – A system for the measurement of volume or space in cubic units.
- 14 The removal of surplus ground or surface water by artificial means.
- 15 Mass per unit volume.
- 16 The mineral and organic surface of the earth capable of supporting upland plants.
- 17 Soil or soil–like material in which plants are grown.

### DOWN

- 1 Any organic or inorganic material added to soil or water to provide plant nutrients and to increase the growth, yield, quantity, or nutritive value to the plants grown therein.
- 3 – Fibrous, partly decayed fragments of vascular plants that retain enough structure so that the peat can be identified as originating from certain plants
- 4 The tissues outside the vascular tissue overlying a woody stem.
- 5 The quantity of three–dimensional space enclosed by some closed boundary.
- 6 Refers to the extent of voids or openings in the soil that exist between soil particles and soil peds or clods. These pores hold water and air for absorption by plant roots.
- 7 A porous or spongy form of volcanic glass.
- 10 A volcanic glass having numerous concentric cracks that give rise to perlitic structure. Used in synthetic potting media mix.
- 11 Calcium oxide, CaO, but, as commonly used in agricultural terminology, calcium carbonate, CaCO<sub>3</sub>, and calcium hydroxide, Ca(OH)<sub>2</sub>, are included. Agricultural lime refers to any of these compounds with or without magnesium carbonate, which are used as amendments chiefly for acid soils.
- 12 A measure of the amount of matter in an object.