

Variables affecting plant growth

Thomas is investigating whether plants need water to grow. He plants three tomato seedlings in separate pots and measures their height.

He waters one plant every week, one plant every day and never waters the last plant.

Thomas leaves the plants to grow for two weeks.

List two things that Thomas should keep the same in order to make this a fair test (think about other things plants need in order to grow healthily).

1.

2.

2. Think about how each plant will look in two weeks time when Thomas measures them. Use two words to describe each plant, think about colour, thickness of stem, height and how healthy the plant looks.

The plant he waters every week will look _____ and _____.

The plant he waters every day will look _____ and _____.

The plant never waters will look _____ and _____.

3. Find out what the main function of a plants roots is.