

**KS2 Year 3 Plants**

<b>Question</b>	<b>Answer</b>
Name 4 things that living things do	Grow, consume nutrients, move, reproduce
What do plants need to live?	Air, light, warmth, water, nutrients, room to grow
Name 4 different parts of a plant	Roots, stem, leaves, flowers
What is the role of the roots?	Take up water and nutrients to different parts of the soil and anchor the plant in the ground
What is the role of the stem?	Carries water and nutrients to different parts of the plant
What is the role of the leaves?	Use light from the sun, along with carbon dioxide from the air and water to make food for the plant
What is the 'stem' of a tree called?	A trunk
How does water move through a plant?	The roots absorb water from the soil. The stem transports water to the leaves. Water evaporates from the leaves. This evaporation causes more water to be sucked up the stem.
Where do plants absorb energy from?	The Sun
Name the process plants use to make food	Photosynthesis
How much air, light and water do plants need?	Different plants vary in how much of these things they need. A cactus plant can survive in areas with very little water but water lilies need to live in water.
What is the role of flowers?	They make seeds to grow into new plants. Their petals attract pollinators to the plant.
Why are plants important for the planet?	Absorb carbon dioxide and release oxygen (humans and animals need to breathe), living things eat plants and live in them
What happens if a plant doesn't have air, light, warmth, water, nutrients?	It could affect its growth or even die
What happens to a plant grown in a dark place?	Grows tall and spindly in search of light and then becomes weak and dies
What happens to a plant that is not watered?	Will have a weak stem and dried up leaves and die

Sir John Offley CE VC Primary School

**'With God all things are possible'**

What happens to a plant that is kept in the cold?	A seed will not produce a plant if it is kept too cold. Seeds need warmth to germinate
Give the 4 stages of reproduction in plants	Germination > pollination > fertilisation > dispersal
What is germination?	When a plant begins to grow from a seed
What is pollination?	Pollen produced by a flower is carried by insects or blown by the wind to other flowers
What is fertilisation (in plants)?	When the male and female parts of the flower mix in order to make seeds for new plants
What is seed dispersal?	When seeds move away from the parent plant
What happens in seed dispersal?	Seeds are scattered by animals, water, wind, bursting
Name 5 parts of a flower	Nectar, stamen, stigma, anther, ovule
What is the role of the petal?	Attracts insects to visit the flower
What is the role of the stigma?	Receives pollen from visiting insects