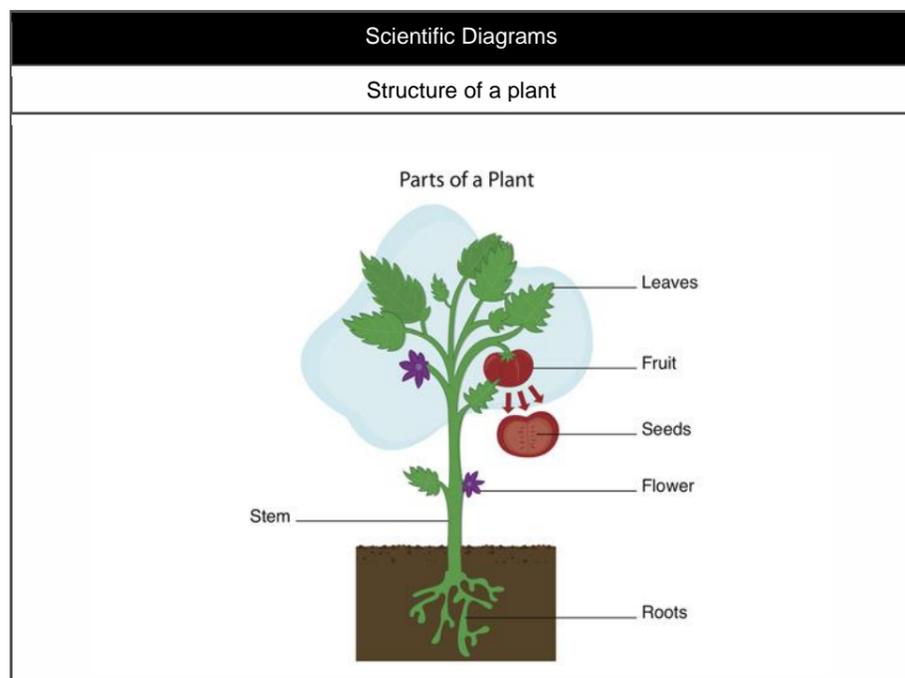
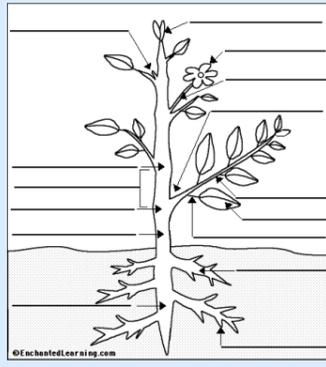


Year 2 - Plants

Scientific Definitions	
Life processes	Living things go through different life processes. These life processes help to classify something as living.
Germination	When a seed begins to grow its shoots.
Seeds	How a plant begins the life cycle before it grows into a mature plant.
Roots	The part of a plant which attaches it to the ground.
Stem	The main body or stalk of a plant or shrub.
Shoot	Growth on a plant that develops into a stem.
Flower	The seeds are produced in this part of the plant.
Bud	Growth on a plant that develops into a stem, leaf or shoot.
Leaves	Part of the plant which is attached the stem to absorb sunlight and create food.
Temperature	A measurement of how hot or cold something is.
Water	Water is a liquid which is the basis of the fluids.
Light	Light is a type of energy that helps things to grow.



Scientific Concepts	
Germination and plant life cycle	
Germination	The process of seeds developing into new plants
Stage 1	The seed soaks up the water from the soil until it splits
Stage 2	The seed grows roots which grow deeper into the soil.
Stage 3	A shoot then grows upwards until it reaches above ground.
Stage 4	Leaves begin to appear as the shoot grows taller
Stage 5	Buds begin to form and petals open
Stage 6	The seeds are then formed until they are dropped onto the ground to start the process again
Diagram	<p style="text-align: center;">Seed</p>  <p style="text-align: center;">Germination</p>  <p style="text-align: center;">Growth</p> 
What do plants need to grow?	
During germination a seed needs:	<ul style="list-style-type: none"> • Water • Warmth
Once the shoot has grown above the soil, a plant needs:	<ul style="list-style-type: none"> • Water • Suitable temperature • Light

Quiz Questions	
Is a plant a living thing?	a) Yes b) No
Label the parts of plant.	
What is germination?	a) When a seed is planted b) When a seed grows into a shoot c) When a flower appears
Does a seed start to germinate as soon as you plant it?	a) No b) Yes
Why does a seed split during germination?	a) It absorbs light b) It absorbs warmth c) It absorbs water
In which direction do the roots grow?	a) Up b) Down c) They don't grow
What do seeds need to germinate?	a) Water b) Light c) Warmth d) Food
What do plants need to grow?	a) Water b) Light c) A suitable temperature d) Warmth
Do all plants need the same temperature to grow?	a) Yes b) No