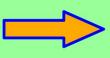
5/18 Trophic Levels #7

<u>Agenda</u>

....







Exit Goal

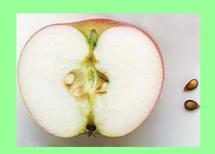
Where did all the material (matter) come from to make this tree from this tiny seed?



Learning

target: I can explain how a tree can grow from a seed.

Where did all the **material** (matter) come from to make this tree?







I can explain where the mass in a tree comes from and where organisms get energy.

04/19 Photosynthesis & Energy in Food

#5

Where did all the material come from to make this tree?

The surprising answer is, tree stuff comes mostly from the air!

Dry wood is about 93% made from chemicals in the air and about 7% made from water (the hydrogen in the water, to be precise). The soil provides almost nothing by weight to the tree, just trace elements that make up much less than 1% by weight.



I can explain where the mass in a tree comes from and where organisms get energy.

04/18 Photosynthesis & Energy in Food

#5

How does your body get energy to do?





LearningI can explain what happens to the energy from the sun once it has target: been converted into food energy in the glucose.

04/18 Photosynthesis & Energy in Food





volume water	20ml
Final temp	
starting temp	
temp change	

-20ml

2cm

One calorie is the amount of heat needed to raise the temperature of 1ml water 1 °C.



LearningI can explain what happens to the energy from the sun once it has **target:** been converted into food energy in the glucose.