Science lesson activity

Primary seven

1. a) By what process do plants make their own food?

b) Mention two raw materials plants use for photosynthesis.

c) What form of energy do plants use during photosynthesis?

d) How do plants benefit from photosynthesis?

e) How do plants depend on animals during photosynthesis?

f) How do animals benefit from photosynthesis?

g) How is photosynthesis useful to the environment?

h) Why can't photosynthesis take place at night?

i) Why is it wrong to share a bedroom with a living plant at night?

j) What is the end product of photosynthesis?

k) What is the life giving product of photosynthesis?

l) Name the gas given off by plant during

i) photosynthesis

ii) germination

m) Which component of air increases in the atmosphere during;

i) photosynthesis?

ii) germination?

n) State the role of each of the following during photosynthesis

i. chlorophyll

l

ii. sunlight

iii. carbon dioxide

iv. water

o) How is chlorophyll in plants similar to melanin in people?

p) Why do plants that grow in dark places grow yellowish leaves.

q) Name the gas plants use to make:

i starch/glucose

ii proteins

i) State any two ways leaves are adapted to photosynthesis.

r) How do legumes make proteins?

s) Where do plants get carbon dioxide which they use for photosynthesis.

t) Name the substance used when testing for starch.

u) Why does photosynthesis mainly take place in the leaves?

v) Why do plants breathe in oxygen at night?

w) How do lions benefit from photosynthesis?

x) How do lions benefit plants?

y) How do plants benefit lions during photosynthesis?

2. a) What do we call the process by which plants lose water inform of water vapour to the atmosphere?

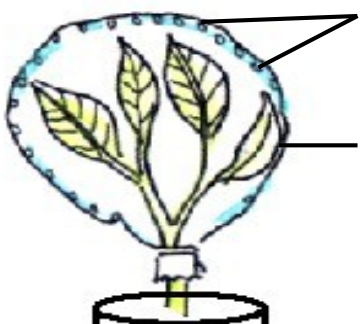
b) State any two importance of leaves to

i) plants

ii)

animals

3. The diagram below shows an experiment carried out by a P.4 class about a plant process. Study it carefully and use it to answer questions that follow.



Water droplets

Clear polythene bag

a) Name the plant process being investigated in the experiment above

b) By what process were the water droplets formed?

c) Why was a clear polythene bag used?

d) Apart from plants, give one other source of water vapour in a water cycle.

e) Which process in people in compared with transpiration in plants?

f) How can transpiration be a danger to plants.

4. a) How is transpiration important to plants?

b) How is transpiration useful to the environment?

c) What role do plants play in a water cycle?

d) apart from plants, give one other source of water vapour in a water cycle.

a) a) State any two ways plants reduce the rate of transpiration.

b) What are deciduous plants?

a. State any two factors which increase the rate of transpiration

b. State any two factors which reduce the rate of transpiration

c) Why do deciduous plants shed their leaves during the dry season.

d) Cactus plants grow in deserts. How are they adapted to reducing the rate of transpiration?

e) Baguma is a banana grower in Kabarole district. He usually transplants his banana suckers in the wet seasons. What advice can you give him to reduce the rate of transpiration in his newly transplanted banana suckers?

f) What is the best time of the day for transplanting?