

Year 8 Contingency Plans 2 weeks

Task 1 - Log on to <https://www.senecalearning.com/>

Sign up to an account if you do not already have one

Join the class using code: bz5pn46pe1

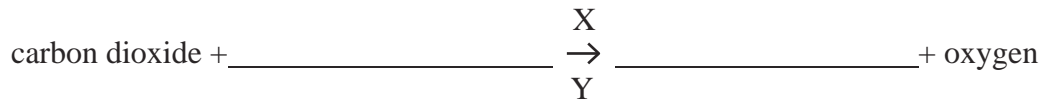
Complete the assignments

Task 2 – Make notes using your knowledge organiser for this topic and complete the self- quizzing questions

Task 3 - Complete the work on this sheet for Photosynthesis:

1. What is the purpose of photosynthesis? [2]

2a. Complete the word equation for photosynthesis. [2]



2b. What are the parts labelled X and Y on the word equation? [2]

3. Match the part of the plant with its function, by drawing a line to connect the boxes. [2]

leaves

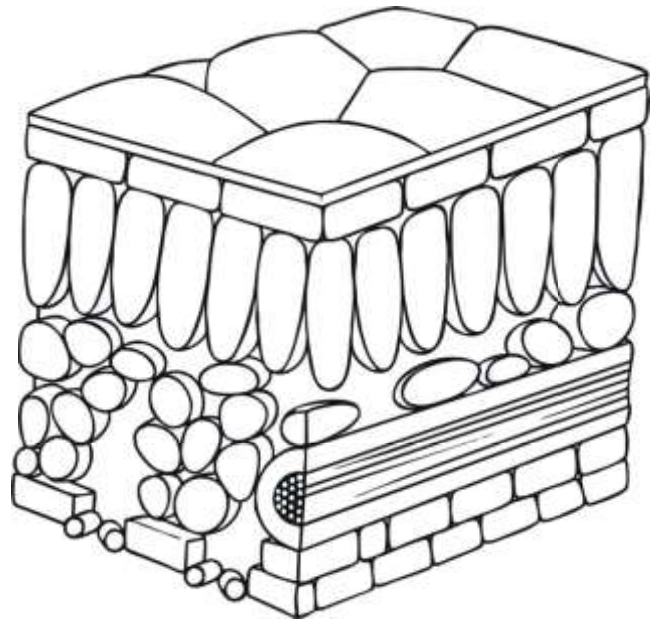
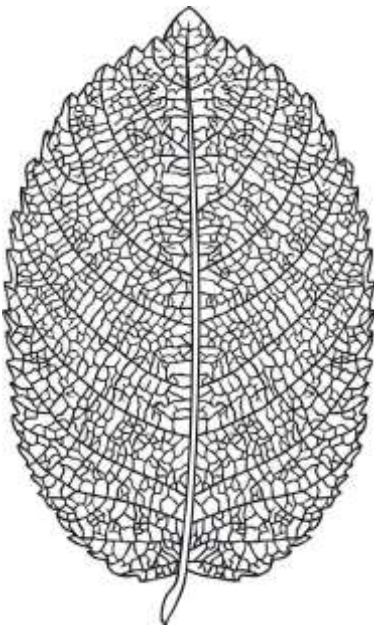
roots

stem

contains chlorophyll for photosynthesis

absorbs minerals and water from the soil

Look at the diagrams below. There is a typical plant leaf and a magnified cross section of part of the leaf.

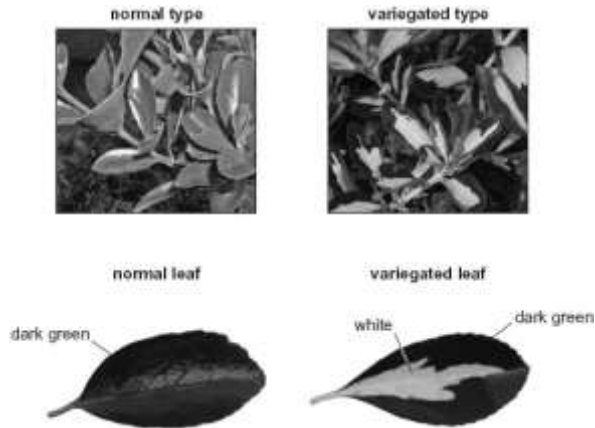


4. Describe how a leaf is adapted to carry out photosynthesis efficiently. [4]

Task 4 - Complete the following exam questions.

Q1.

A garden centre has two types of the same plant for sale.



Chlorophyll makes a plant leaf green.

(a) At the end of the summer, the normal plants had grown more than those with variegated leaves. All the plants had been grown in the same conditions.

(i) Explain why plants with normal leaves grow more than plants with variegated leaves.

.....
.....

2 marks

(ii) Describe an investigation you could do to show how much more a normal plant grows **compared** with a variegated plant over a six-week period.

.....
.....
.....
.....
.....
.....
.....
.....
.....

4 marks

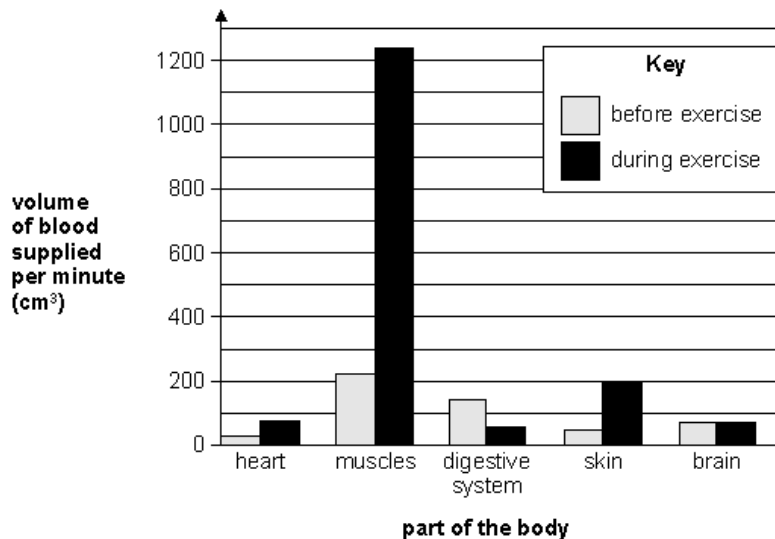
- (b) What process do plants carry out in the light and in the dark to release energy?
Tick the correct box.

photosynthesis	<input type="checkbox"/>	respiration	<input type="checkbox"/>
absorption	<input type="checkbox"/>	dispersal	<input type="checkbox"/>

1 mark

Q2.

When people exercise, the volume of blood per minute needed to supply different parts of the body changes. This is shown in the bar chart below.



- (a) Explain why muscles need **more** blood during exercise. Give **three** reasons.

.....

.....

.....

3 marks

- (b) Look at the bar chart.
Suggest why you should not go for a long run just after eating a meal.

.....

1 mark

- (c) Why is it important that the blood supply to the brain stays constant?

.....

1 mark