<u>Mineral salts</u>			
1) What additional substances does a plant need to make amino acids and proteins?			
2) Where do these substances in question 1 come from?			
3) What ions must a plant obtain from the soil in order to make (a) Protein, (b) chlorophyll?			
4) Name an artificial fertiliser or fertilisers which farmers can use to increase the supply of nitrate, phosphate and potassium to their crops.			
5) Compare between organic and inorganic fertilisers			
Plants and water			
Water evaporates from leaves to cool down the plant			
Draw a flow chart showing all parts of the plant where water passes by to reach air			
List down four uses of water for the plant in details			

Photosynthesis Revision

a) Can you write the word equation for photosynthesis?	f) Label the diagram of the plant cell below with the following terms: <u>cell wall</u> <u>nucleus</u> <u>vacuole</u> <u>cytoplasm</u>
b) Which part of a plant cell absorbs light energy?	<u>chloroplasts</u> <u>cell membrane</u>
c) The ends of roots are normally covered in tiny root hair cells. What is their function?	starch granules
d) Can you number these sentences to explain how to test a leaf for starch? Cover the leaf with iodine - the areas with starch in will stain black Take the leaf out of the ethanol carefully as it will be brittle - then wash it in the water bath to soften it.	g) How is a leaf designed for photosynthesis? i)
Place the leaf in boiling water for 1 minute to stop it photosynthesising	iii)
Spread the leaf out on a white tile	
Place a test tube full of ethanol into the hot water and place the leaf into the ethanol - this will remove the chlorophyll	h) Why does the plant have to convert the glucose it makes in photosynthesis into starch?
e) What is the purpose of the small holes on the underside of the leaves?	i) How does the plant use the glucose it makes in photosynthesis?

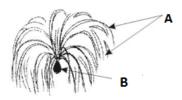
SEED DISPERSAL WORKSHEET

1. The given picture shows the fruit of a plant. It is covered with stiff, hooked spines.



a.		nat is the use of hook in this seed?
b.	Na	me the agent which disperses this kind of seeds?
c.		
2.		eds are not able to grow properly near the parent plant.
		How does seed dispersal help plants?
	L	
	D.	List the disadvantages, if the seeds are not dispersed away from the parent plant.

3. Seeds have special features that help them to be spread far and wide. Here is a drawing of a seed.



- a. How these kinds of seeds are dispersed?
- b. What is the special feature present in the seed?
- c. Describe how B is formed.
- d. How does A help the seed in dispersal?

a.	
b.	
٠.	
C.	
d.	