

MARK SCHEME WEEK 1.

Form: 2 (GRADE 8) Subject: BIOLOGY

Question Number	Scheme	Mark
1.	1. D 2. C 3. B 4. A 5. C 6. D 7. C 8. C 9. D 10. B	
2.	(a) Meal 4 (b) Carbohydrate 2. Fat. (c) Protein. (d) Meal 2 (e) Minerals 2. Vitamins (f) Protein.	
3.	(a) Leaf/Leaves (b) Has numerous chloroplasts. (c) A - Nucleus, B - Cell wall G Chloroplast D - Sap Vacuole / Large central vacuole. (d) Chromosomes (e) Chlorophyll (f) Chlorophyll traps (absorbs) light energy for photosynthesis. (g) Cell sap.	
4.	(a) 1. Water 2. Minerals / Mineral salts (b) (i) Photosynthesis (ii) Carbon dioxide + Water $\xrightarrow[\text{chlorophyll (Sugars)}]{\text{light energy}}$ Glucose + Oxygen. (iii) Carbon dioxide (iv) Oxygen (v) Stomata, starch (vi) Transpiration (vii) Provides food for plants and animals 2. Provides oxygen for respiration in all organisms.	
5.	(i) Heart (ii) Brain (iii) Habitat (iv) Insects (v) Dispersal (vi) Germination (vii) Rickets	
6.	(a) (i) Cell membrane (ii) Glucose, Water (b) (i) Cell wall (ii) Cellulose (iii) Chloroplast (iv) Chlorophyll (v) Photosynthesis (c) Cytoplasm (d) (i) Nucleus (ii) Chromosomes (e) (i) Sap vacuole (ii) Cell sap.	
7.	(a) (i) Glucose (ii) Photosynthesis (iii) Starch (b) (i) Carbon dioxide 2. Water 3. Chlorophyll 4. Light energy (ii) Carbon dioxide (iii) Oxygen (c) Same as 4 (b) (iii) (d) Same as 4 (b) (vi).	
8.	(a) chlorophyll (b) Sodium hydroxide (c) Iodine (d) Stomata (e) Compost (f) Phosphorus (g) Green houses (h) Variegated (i) Germination (j) Water (k) Kidney.	