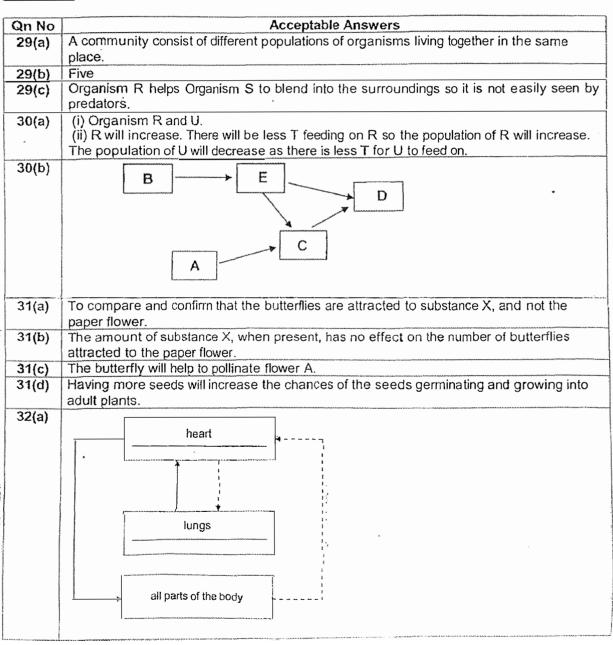
Nanyang Primary School P6 SCIENCE MID-YEAR EXAM 2021 Answer Key

Booklet A

1	3	6	4	11	2	16	1	21	4	26	3
2 ·	3/4	7	3	12_	4	17	4	22	2	27	3
3	3	.8	2	13	1	18	4	23	2	- 28 -	4
4	4	9	4	14	4	19 _i	4	24	4		
5	2	10	2	15	3	20	3	25	4		W

Booklet B



32(b)	(i) food (ii) water									
02(0)	(iii) digested food (iv) oxygen									
33(a)	Point X									
33(b)	(i) When she exercises, she breathes faster to take in more oxygen and give out more									
	carbon dioxide.									
	(ii) Her heart will beat faster to pump more blood to all parts of her body.									
34(a)	Cell A and C. They have cell wall.									
34(b)	Cytoplasm. It is where cell activity takes place.									
34(c)	The nucleus allows for cell division.									
35(a)	mouth, stomach, small intestine									
35(b)	(i) The amount of digested food increased as food was digested.									
` ′	(ii) The amount of digested food decreased. Digested food was absorbed into the									
	bloodstream.									
36(a)	Potentiał Kinetic Heat / sound/ kinetic									
	(hanging ball) (falling ball) (ball when it hit sand)									
36(b)	Ball Q. It had the greatest mass and was hung highest from the sand tray. Hence, most									
	potential energy would be converted to most kinetic energy, causing the deepest dent.									
36(c)	Diagram 3									
36(d)	To find out if the mass of the ball affects the depth of the dent made.									
37(a)										
	frictional force									
Market State	gravitational force									
	4 s									
37(b)	(i) Mass of the block									
, ,	(ii) Comparing blocks P and R, when the mass of the blocks are the same but the surface									
	area in contact with the table is different, the distance travelled by the blocks is the same.									
	Comparing blocks P and Q, the greater the mass of the block, the shorter the distance									
ndition have an interest the analysis for the host of the property of a first	travelled by the block.									
37(c)	Spring B. When identical cubes were placed on the springs, spring B compressed less.									
	Thus, when compressed to the same length, spring B would exert a greater elastic spring									
	force on the blocks.									
38(a)	To ensure that the light detected by the light sensor is only from the torch.									
38(b)	Cloth sample S. The least amount of light was detected when cloth sample S was placed									
20(-)	in the material holder.									
38(c)	Light intensity of the torch									
20/~\	Thickness of the cloth sample									
39(a)	Only the water in the saltwater had evaporated, leaving behind the salt.									
39(b)	(i) He could heat up the saltwater.									
40(a)	(ii) He could add a fan to increase wind around the saltwater.									
40(a) 40(b)	The air in flask B gained more heat from the water and expanded more.									
40(c)	More water was poured into container B. Material S. The temperature of the dis in flesh B increased loss. Material S is a posses.									
70(6)	Material S. The temperature of the air in flask B increased less. Material S is a poorer									
	conductor of heat and would conduct heat away from the pizza to the surroundings more									
	slowly.									