

Mark schemes – Biology Unit 2 homework

Q1.

(a)

| Structure | Organ | Organ system | Tissue |
|--|-------|--------------|--------|
| Stomach | ✓ | | |
| Cells lining the stomach | | | ✓ |
| Mouth, oesophagus, stomach, liver, pancreas, small and large intestine | | ✓ | |

all 3 correct = 2 marks
 2 correct = 1 mark
 1 or 0 correct = 0 marks

2

Q2.

(a) platelets

1

white blood cells

1

plasma

this order only

1

Q3.

(a) red blood cell(s)

1

white blood cell(s)

accept named cell

eg phagocyte / lymphocyte

1

(plasma)

transports proteins / dissolved substances / food (molecules) / urea / hormones / blood cells

1

Q4.

- (a) (i) root hair 1
- (ii) any **two** from:
ignore food
- water
 - ions / minerals / nutrients / salts / correct named eg nitrates
ignore N,P,K
 - oxygen
- 2
- (b) (i) stomata 1
- (ii) diffusion 1

[5]

Q5.

- (a) (A) right atrium 1
- (B) right ventricle 1
- (b) To take blood from the lungs to the heart 1

Q6.

- (a) (i) glycerol 1
- (ii) pancreas / small intestine
accept duodenum / ileum
ignore intestine unqualified
- 1
2

Q7.

- (a) (i) **X** = stoma
accept stomata / stomatal pore
*do **not** accept air space*
- 1
- Y** = guard cell
- 1