01.1 Organ
01.2 Palisade mesophyll → Contains the most chloroplasts. Spongy mesophyll →
Contains many air spaces.
01.3 Transpiration
01.4 Lignin
01.5 To let sunlight in.
01.6 stomata, guard cells
01.7 Vacuole
01.8 Active transport
01.9 Mitochondria

02.1 It's a barrier.
02.2 63/210 = 3/10
02.3 187, 31, 156
02.4 It is the mean of the pH1 and pH3 results.

03.1 Platelets → Help clot the blood where the vaccine was injected. White blood cells
→ Produce antibodies to the measles virus.
03.2 1968
03.3 It increases, then stays the same, then decreases.
03.4 It decreased.
03.5 Parents were worried their children would get condition X.
03.6 Have the research peer reviewed.
03.7 small sample size.

04.1
Starch test is iodine, it goes blue-black.
Sugar test is Benedict's, you heat it and it goes red.
If negative the colour doesn't change.
04.2 amylase, sugar
04.3 The type of bread
04.4 1. White bread works fastest. 2. Wholemeal bread is slowest.
04.5 They did repeats and calculated the mean.
04.6 (58+55+61)/3=58
04.7 Each person's sense of taste is different.

05.1 Ionising radiation, Viruses. (Ticks both)
05.2 Mitosis
05.3 grow, replicate
05.4 40%
05.5 Chromosomes are pulled to each end of the cell.
05.6 cell membrane
05.7 50/800 = 0.0625. 0.0625 x 1000 = 62.5 um.

05.8 cells, people
05.9 placebo

06.1 same size potato pieces. same volume of solution.
06.2 dry them.
06.3 balance
06.4 0.1 g
06.5 D
06.6 1.1/6.0 x 100 = 18.3%
06.7 Line graph
06.8 water, osmosis, permeable
06.9 0.2

07.1 Arteries
07.2 It helps the heart pump.
07.3 It helps them breathe.
07.4 Statins
07.5 It opens the artery.
07.6 1. Smoking is bad for you. 2. Disease H is the worst.
07.7 (Draws graph perfectly)
07.8 Eating too much fatty food.

08.1 Nucleus
08.2 A, D and E
08.3
They find it hard to digest food because they have less enzymes. So the food doesn't break down.
They can't gain mass because they don't get enough energy from the food.
08.4 1. Large surface area. 2. Thin walls. 3. Good blood supply.
08.5 You can't do respiration properly.