

Subject: \_\_\_\_\_

Question		Question	
1	What symbol is used to show one number is less than another?	21	Which is larger: a micrometre or a nanometre?
2	What symbol represents "much less than"?	22	What mathematical operation is used to move to a smaller unit?
3	What symbol represents "much more than"?	23	In standard form $A \times 10^n$ , what does $n$ represent?
4	What does the symbol $\infty$ mean?	24	How many millimetres are in one metre?
5	What is the term for the average of a set of numbers?	25	What is the first significant figure in the number 0.0045?
6	How do you calculate the mean of a data set?	26	What is the first significant figure in the number 302?
7	Which significant figures should you ignore at the start of a number?	27	If a line is steeper, what can be said about its gradient?
8	On which axis is the independent variable plotted?	28	What does the symbol $>$ represent?
9	On which axis is the dependent variable plotted?	29	In a data set of 10, 20, and 30, what is the mean?
10	What is the name of a line drawn through the middle of the points?	30	What must you do to the zeros between non-zero numbers when counting significant figures?
11	What is a result called if it does not fit the pattern?	31	Name the process that converts light energy into chemical energy.
12	Should an anomaly be included when drawing a line of best fit?	32	In which cell organelle does photosynthesis occur?
13	What tool must be used to draw a linear line of best fit?	33	Name the green pigment that absorbs light energy.
14	How should a non-linear line of best fit be drawn?	34	What is the chemical formula for glucose?
15	What does the gradient of a line represent?	35	Name the two reactants required for photosynthesis.
16	What is the name of the straight line drawn to meet a curve at one specific point?	36	Name the two products of photosynthesis.
17	What is the name for the horizontal part of a graph?	37	Glucose is converted into which insoluble substance for storage?
18	What is the name for the vertical part of a graph?	38	Which carbohydrate is produced to strengthen plant cell walls?
19	What is the standard way of representing very large or small	39	What must be added to glucose to produce proteins?

	numbers?		
20	How many times smaller is a micrometre ( $\mu\text{m}$ ) than a millimetre (mm)?	40	What term describes a factor that stops the rate of photosynthesis from increasing?

Question	
41	Name the type of respiration that requires oxygen.
42	Where in the cell does aerobic respiration take place?
43	Write the word equation for aerobic respiration.
44	Which type of respiration releases the most energy?
45	What is the product of anaerobic respiration in muscle cells?
46	What are the two products of anaerobic respiration in yeast?
47	What is the specific name for anaerobic respiration in yeast?
48	Name the waste product of protein breakdown that is excreted by the kidneys.
49	What term refers to the sum of all chemical reactions in a cell or the body?
50	During exercise, what happens to the heart rate?
51	Why does the breathing rate increase during exercise?
52	What build-up in the muscles causes muscle fatigue?
53	Define 'oxygen debt'.
54	Into what substance is lactic acid converted in the liver?
55	Which organelle is absent in anaerobic respiration?
56	What gas is produced by pondweed during the required practical?

57	Why is sodium hydrogen carbonate added to the water in the pondweed practical?
58	What happens to the rate of photosynthesis if the temperature is too high?
59	What type of reaction is photosynthesis (exothermic or endothermic)?
60	Which product of yeast fermentation is used to make bread rise?