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SAFETY BAY SENIOR HIGH SCHOOL

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Year	8	Microscop	e Assessment
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Name:	412		Sh		~	_
Form:		***************************************	**************************************			
Total Ma	arks:			/ 23		

Attempt all of the following questions.

1) Provide information of 2 people that contributed to the development of the microscope by completing the table below: (6 marks)

Person (1 x 2)		Date (1 x 2)	Contribution (1 x 2)
Antony Van	Leewenhock	~ 300 year ago	Doveloped an object with lenders that enabled magnification x 270 normal size.
	Ruska	1933	Built first election microscope

2) Outline the main difference between how the light microscope and the electron microscope work. (2 marks)

Light > uses rays of light to focus as Image on the eye.

Electron > wes beams of electronis

3) Explain the main difference between the TEM (Transmission) and the SEM (Scanning electron microscope). (2 marks)

TEM > Shows integral Structure of cell

SEM > Shows images of the surface of features

4) Provide <u>any two</u> reasons why	microscopes are useful: (2	marks)
eg assists us	to see object	s to Small to be
Seen with	He naked en	of.
medical ->	Check amount	Inormality of
cells	Je deseases	1 deficiencies el
5) List any 3 safety rules to be co		
-> Look Grow Side	who adms	had and
Look from side		
tocusing of	gjeanne lenje	
	ř	
I Carry microse	ope / box	properly ()
	,	
-> Be careful	of light which	n may been dup
6) Describe what happens to an in	mage when viewed under a	microscope. (2 marks)
apsat	down	
Inverted	1/flipped	
7) Complete the following ta	able for a standard light:	microscope: (6 marks)
Eye Piece/ Occular lens (Objective lens	Total Magnification
10 ×	4×	× 40
104	10 ×	× 100
(6 x	40 ~	× 400