

Unit 3 Knowledge Organiser Assessment: Year 8 Science

Student Name	
Teacher Name	
Class Group	
Tutor Group	

	Piece of information	Definition	Correct?
1		A substance that cannot be broken down into other substances	
2		A variable that you change in a practical	
3		Wire wound into a tight coil, part of an electromagnet	
4		Tiny projections in the small intestine wall that increase the area for absorption	
5		A measure of the ability of a force to rotate an object about a pivot	
6		The force exerted by air particles when they collide with a surface	
7		An object that is magnetic all of the time	
8		The part of a longitudinal wave where the air particles are spread out	
9		A variable that measure in a practical	
10		Force opposing which is caused by the interaction of surfaces moving over one another	
11		The process plants and algae use to make their own food, glucose	
12		Organism that makes its own food using photosynthesis	
13		A non-permanent magnet turned on and off by controlling the current through it	
14		A substance is reactive if it reacts vigorously with substances such a water	
15		When two variables are graphed and show a straight line which goes through the origin	

16		Elements found on the right of the periodic table	
17		Sound waves with frequencies higher than the human auditory range	
18		The band of frequencies of light that we can detect with our eyes	
19		changing shape due to a force	
20		Force squashing or pushing together, which changes the shape of an object	
21		Green unicellular or multicellular organisms that perform photosynthesis and live underwater	
22		Elements found on the left of the periodic table	
23		A lack of minerals that causes poor growth	
24		Waves of a higher energy knocking electrons out of atoms in living cells	
25		A wave in which the direction of vibration is perpendicular to that of the wave	
26		A law that says that if you double the force on an object, the extension will double	
27		The range of wavelengths of radiation produced by the sun and other sources	
28		Green pigment in plants and algae which absorbs light energy	
29		A table of all elements in groups of similar reactivity	
30		A one or two letter code for element used worldwide	
31		Soft iron metal which the solenoid is wrapped around	
32		Chemical test to detect the presence of particular nutrients in a food	
33		A device that uses an electromagnet to make sound from a varying potential difference	
34		Pores in the bottom of a leaf which open and close to let gases in and out	
35		Indicator used to test for the presence of starch	

36		A force that when an object is in contact with a surface, air, or water	
37		Minerals containing nitrogen for healthy growth	
38		A starting substance in a chemical reaction	
39		Mineral containing phosphorus for healthy roots	
40		A wave in which the direction of vibration is the same as that of the wave	
41		To make a material magnetic	
42		A device that uses an electromagnet to break a circuit if the current is too big	
43		A lack of minerals that causes poor growth	
44		How a substance behaves in its chemical reactions	
45		Essential substance that your body needs to survive, provided by food	
46		Flow of electric charge	
47		A compound where hydrogen atoms in an acid are replaced with metal atoms	
48		A chemical reaction in which a substance reacts quickly with oxygen and gives out heat and light. Also called burning	
49		A substance made in a chemical reaction	
50		Substances that speed up chemical reactions of digestion resulting in large molecules being broken into small molecules	

Total marks	/50	Percentage	%
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