



PRACTICE SHEET ANSWER KEY

Teacher :Nada Marji

1) April 2020 paper1 /Q16

Question	Answer	Marks	Further Information
16(a)	temperature / rate of stirring / volume of water / size of sugar cube / mass of sugar cube / type of sugar / length of stirring	1	Accept size or shape of beaker
16(b)	25 32	2	each correct time = 1 mark
16(c)	No because the average value is less than 55	1	Accept no because only one value was at 55 / no because two values were well below 55 Accept yes because the other two were not correct
16(d)	to check results / evaluate results / to make results more reliable / to be able to work out an average	1	

Q2) April 2019 paper 1 /Q2

Question	Answer	Marks	Further Information
2(a)	water can be cooled to make ice / water can be frozen (again)	1	answers must have the idea of freezing or cooling
2(b)	The melting point of ice is 0 (°C). The boiling point of water is 100 (°C).	2	each correct answer = 1 mark

Q3) April 2019 paper 1/Q8

Question	Answer	Marks	Further Information
8(a)	the temperature at which a solid becomes a liquid	2	each correct answer = 1 mark
8(b)	A B C D E F	1	more than one answer circled = 0 marks

Q4) April 2019 paper 1 / Q14

Question	Answer	Marks	Further Information
14(a)	carbon dioxide	1	more than one substance = 0 marks Accept CO ₂
14(b)	any two from non-toxic / non-poisonous low density / makes a light container / lightweight malleable / can be made into correct shape insoluble / doesn't dissolve waterproof strong / unbreakable / not brittle / durable / hard high melting point / does not melt easily unreactive opaque / sunlight cannot get in recyclable	2	

Q5) April 2019 paper 1 / Q17

Question	Answer	Marks	Further Information																								
17(a)	<table> <tr> <th>temperature in °C</th><th>volume of water in beaker at start in cm³</th><th>volume of water after 24 hours in cm³</th><th>volume of water evaporated in cm³</th></tr> <tr> <td>30</td><td>50</td><td>45</td><td>5</td></tr> <tr> <td>40</td><td>50</td><td>40</td><td>10</td></tr> <tr> <td>50</td><td>50</td><td>30</td><td>20</td></tr> <tr> <td>60</td><td>50</td><td>10</td><td>40</td></tr> <tr> <td>70</td><td>50</td><td>0</td><td>50</td></tr> </table>	temperature in °C	volume of water in beaker at start in cm ³	volume of water after 24 hours in cm ³	volume of water evaporated in cm ³	30	50	45	5	40	50	40	10	50	50	30	20	60	50	10	40	70	50	0	50	1	all volumes correct = 1 mark
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17(b)	<p>yes and some use of the data from the table to show less water in the beaker</p>	1	<p>yes on its own or no = 0 marks</p> <p>Ignore general trends which do include data e.g. as it gets hotter the volume gets less</p>																								

Q6) April 2019 paper 2 / Q8

Question	Answer	Marks	Further Information
8(a)	thermometer	1	Accept temperature probe
8(b)	the liquid can burn / catch fire	1	
8(c)	turns into a gas	1	Accept turns into a vapour / it evaporates Do not accept turns into water vapour / condenses / turns into steam
8(d)	C because it has a boiling point of 100(°C)	1	no marks for C on its own
8(e)	B because it leaves behind a solid	1	no marks for B on its own

Q7) April 2023 paper 1 / Q2

Question	Answer	Marks	Further Information
2(a)	iron or copper sulfate	1	Accept iron and copper sulfate Ignore grey solid or blue solution Ignore just 'sulfate solution' Do not accept additional answers, e.g. copper
2(b)	any one from change in colour (solution) goes from blue to green (metal) goes from grey to pink it gets warmer	1	Do not accept incorrect colour changes, e.g. it goes from green to blue or metal goes green Accept changes to the colour of solution, e.g. (solution) changes to green Accept changes to the colour of the metal, e.g. (the iron) is covered in pink solid or (metal) goes pink Accept temperature change Ignore new substances made or chemical reaction takes place Do not accept gas made

Question	Answer	Marks	Further Information
2(c)	temperature	1	Accept temperature change or temperature before and temperature after Ignore just observations e.g. colour change or mixture gets warmer Ignore use a thermometer

Q8) April 2023 paper 2 / Q2

Question	Answer	Marks	Further Information
2(a)	temperature at which <u>solid</u> becomes a <u>liquid</u>	2	each correct answer = 1 mark Ignore °C Ignore ice turns to (liquid) water
2(b)	ethanol	1	Accept any indication of the correct answer in the table, but answer line takes precedence
2(c)	(boiling point) increases	1	Accept higher (boiling point) Ignore just 'boiling point changes'

Q9) October 2023 paper 1 / Q2

Question	Answer	Marks	Further Information
2(a)	bubbles or fizzes or gas (made) temperature decreases	2	each correct answer = 1 mark Ignore new substances made or carbon dioxide (made) or water (made) or product is formed Accept temperature changes Ignore just 'temperature' Ignore colour change or a solution is made or colourless solution made or change of state
2(b)	vinegar and baking soda	1	both needed in any order for the mark
2(c)	water	1	

Q10) October 2023 paper 1 / Q6

Question	Answer	Marks	Further Information
6(a)	any two from mass flows easily easy to compress fills (volume of a closed) container does not have a fixed shape low boiling point low melting point low density	2	each correct answer = 1 mark Accept has matter Accept it can flow Accept it can be squashed Accept does not have a fixed volume or fills up the space (in the container) Ignore other general statements, e.g. transparent or colour or odour or cannot be seen or cannot be touched or flammable or conductor or harmful
6(b)	chlorine is (pale) green	1	Accept one gas/chlorine is not colourless

Q11) October 2023 paper 2 / Q2

Question	Answer	Marks	Further Information
2(a)	<p>(idea that as) temperature increases mass/glucose increases</p> <p>particles have more energy or particles move faster</p>	2	<p>each correct answer = 1 mark Accept ora for both marking points</p> <p>Accept °C for temperature Accept grams for mass</p> <p>Accept as temperature increases dissolving increases</p> <p>Ignore just 'mass increases' or references to speed, e.g. dissolves faster</p> <p>Do not accept any reference to melting</p> <p>Accept molecules for particles</p> <p>Accept more space between particles or particles further apart or particles spread out or particles move more</p>
2(b)	<p>(solvent) water</p> <p>(solute) glucose</p>	1	<p>both answers correct for the mark</p> <p>Ignore liquid</p> <p>Ignore solid</p> <p>Do not accept glucose solution</p>

Question	Answer	Marks	Further Information
2(c)	it can be reversed or no new substances made	1	<p>Accept you can separate the glucose and water or you can get the glucose/water back</p> <p>Accept you can get the solvent/solute back</p> <p>Ignore correct methods of separation e.g. evaporation or condensing</p> <p>Do not accept filter or filtering</p>

Q12) October 2023 paper 2/ Q1

Question	Answer	Marks	Further Information
1(a)	respiratory (system)	1	Accept respiration (system)
1(b)	oxygen	1	Accept chemical formula O ₂ Do not accept carbon dioxide
1(c)	the animal is a vertebrate	1	more than one box ticked = 0 Accept any indication of the correct answer, e.g. circling or underlining, but ticking takes precedence

Q13) October 2023 paper 2 / Q9

Question	Answer	Marks	Further Information
9(a)	2008	1	
9(b)	20 000	1	
9(c)	vector	1	more than one answer circled = 0 marks Accept any indication of the correct answer, e.g. ticking or underlining, but circling takes precedence
9(d)	any one from use (insect) repellent (idea of) cover up exposed areas use of (mosquito) nets (when sleeping)	1	Accept bug spray or burning mosquito coil Accept example of cover-up, e.g. wear long sleeves or wear trousers Accept close the windows/doors or have fly screens on doors/windows

Q14) October 2023 paper 1 / Q9

Question	Answer	Marks	Further Information
9(a)	heart	1	Ignore pump or any parts of the heart e.g. left ventricle
9(b)	artery or capillary	1	Accept arteries or capillaries or arterioles or venules Ignore vein
9(c)	transport waste	1	more than one box ticked = 0 marks Accept any indication of the correct answer, e.g. circling or underlining, but ticking takes precedence

Q15) April 2023 paper 2 / Q1

Question	Answer	Marks	Further Information
1(a)	heart	1	Accept any indication of the correct answer on the diagram, but answer line takes precedence
1(b)	pumps blood (around the body) or circulates blood (around the body)	1	
1(c)	artery or arteries vein(s)	2	each correct answer in any order = 1 mark Accept named artery, e.g. aorta Accept named vein, e.g. vena cava Accept capillary
1(d)	A contains the highest percentage/oxygen	2	each correct answer = 1 mark Note answer must be comparative

Q16) April 2023 paper 2 /Q5

Question	Answer	Marks	Further Information
5(a)	(the type of) exercise	1	
5(b)	(idea to) allow breathing (rate to return) to be normal/resting	1	Accept so his breathing is the same each time (he starts a different exercise) or if he doesn't rest his breathing rate is already high for the next exercise or to see/compare the change in breathing (before and after each exercise) Ignore just 'so his breathing rate can decrease' or 'to control his breathing rate' Ignore references to heart rate
5(c)	oxygen	1	Accept O ₂ Ignore air or energy Do not accept food or blood

Q17) April 2023 paper 2 / Q9

Question	Answer	Marks	Further Information
9(a)	bacteria or parasite	1	Accept viruses or Plasmodium or protozoa Accept a named example of a bacterium or virus or parasite, e.g. (parasitic) worms or COVID-19 Ignore insects or named insects or animals or named animals Ignore named diseases, e.g. measles or ringworm Ignore fungi or named fungi, e.g. mould or yeast
9(b)	respiratory (system)	1	Accept reproductive (system) or digestive (system)

Q18) April 2023 paper 1 / Q5

Question	Answer	Marks	Further Information
5	any two from menstruation or periods or menstrual cycle starts acne or spots hips widen breasts develop body hair grows	2	each correct answer = 1 mark Accept (ovaries) start to release eggs Accept pimples or body odour or oily (skin) Accept bigger hips Accept grow pubic hair or hair under arms Ignore height increases Do not accept male changes, e.g. deep voice or facial hair

Q19) October 2024 paper 2 / Q5

Question	Answer	Marks	Further Information
5(a)	(idea that) toxic substance(s) move through the food chain	1	<p>Accept other words for toxic substance(s), e.g. poison</p> <p>Accept descriptions of movement up the food chain, e.g. shark eats tuna/prey which contains the toxic substance(s) or shark eats the tuna/prey which ate the mackerel containing the toxic substance</p> <p>Ignore just 'shark eats fish/animal which contains the toxic substance(s)'</p> <p>Do not accept shark eating any other organism e.g. mackerel or herring or tiny plants</p>

Q19) October 2024 paper 2 / Q5

Question	Answer	Marks	Further Information
5(b)	any one from stop/reduce burning fossil fuels reduce use of plastics (idea of) clean up plastic/litter/trash/rubbish (from beaches) recycle ban toxic substances stop/reduce mining clean up oil spills education	1	Ignore just 'stop polluting/pollution' Accept examples of reduced use of fossil fuels e.g. use a bicycle or use electric cars Accept use reusable plastic or reduce the use of single use items Accept stop releasing (harmful) gas or stop using/releasing pesticides Accept specific examples, e.g. campaigns or laws or posters

Q20) October 2024 paper 2 / Q9

Question	Answer	Marks	Further Information
9(a)	A	1	Accept any indication of the correct answer, e.g. ticking or underlining, but circling takes precedence more than one answer circled = 0 marks
9(b)	any two from nutrients oxygen waste	2	each correct answer = 1 mark Accept named nutrient, e.g. glucose or vitamins or minerals Accept digested food Ignore just 'food' or energy Ignore air Accept carbon dioxide or urea or toxins Ignore red blood cells or white blood cells or blood cells or plasma or platelets or arteries or veins or capillaries

Q21)October 2024 paper 1 / Q1

Question	Answer	Marks	Further Information
1(a)	lung(s)	1	Ignore alveoli
1(b)	oxygen	1	Accept any indication of the correct answer, e.g. circling or underlining, but ticking takes precedence more than one box ticked = 0 marks

Q22) October 2024 paper 1 / Q6

Question	Answer	Marks	Further Information
6(f)	<p>any one from</p> <p>isolate or stay away (from people) or quarantine</p> <p>do not prepare food/drinks for others</p> <p>do not swim in public pool/share baths</p> <p>wash hands</p> <p>do not share towels</p> <p>disinfect surfaces</p>	1	<p>Accept avoid physical contact</p> <p>Accept do not share food or do not share water bottles</p> <p>Ignore keep food covered or wash food</p> <p>Accept wear gloves or sanitise hands</p> <p>Accept wear a mask or cover mouth when coughing/sneezing</p> <p>Ignore just 'good hygiene'</p> <p>Ignore take medicine or get vaccinated</p>
6(g)	stomach acid	1	<p>Accept hydrochloric acid or acid in stomach</p> <p>Ignore just 'acid'</p> <p>Do not accept tears or skin or mucus or methods of transmission e.g. not washing hands</p>
6(e)	512	1	

Q22) October 2024 paper 1 / Q6

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