

# Science and Agri-Science Made Simple

LEVEL 2 - ANSWER KEY

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# SCIENCE AND AGRI-SCIENCE MADE SIMPLE

## LEVEL 2

QU	PAGE 4
1	They lived on both land and water
2	Circle - frog, crocodile,
3	Newt, whale,

QU	PAGE 5
1	True
2	False
3	True
4	False
5	True

QU	PAGE 6
1	hair
2	milk
3	Tail
4	Ostrich
5	Smallest
6	Cold
7	Mammals
8	Lungs
9	snake

QU	PAGE 7
1	Gills
2	Swim
3	To protects its body and help them to swim smoothly

QU	PAGE 8
1	Animals with backbone
2	Dog, monkey, cat

QU	PAGE 9
3	Cold blooded, warm blooded
4	Constant temperature

5	Without backbones
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QU	PAGE 11
1	Alligator and newt

QU	PAGE 12
1	Monday 1 <sup>st</sup> October
2	To reflect on the state the basic human rights to adequate shelter
3	Enough
4	home

QU	PAGE 14
1	True
2	True
3	False
4	False
5	True
6	True
7	True
8	A plant gets water light and air
9	They are getting too much sun
10	Need sunlight to make food

QU	PAGE 15
1	Sunlight
2	Darkness
3	Sunlight
4	water

QU	PAGE 18
1	Definite
2	Containers
3	Drops
4	Cannot
5	Solid
6	Matter
7	Air
8	shape

QU	PAGE 20
1	Liquid turns to gas
2	Condensation
3	They change from solid to liquid
4	Freezing
5	100 degrees Celsius
1	0 degrees Celsius
2	Condenses
3	Evaporate
4	Solid
5	Definite
6	Container
7	Liquid
8	Gas
9	Liquid
1	Freezes
2	Melts
3	Evaporates
4	condenses

QU	PAGE 21
1	October 16 <sup>th</sup>
2	People come to together to declare their commitment to get rid of hunger
3	False
4	To keep us healthy / it helps us to grow and it gives us healthy skin
5	Healthy
6	To keep us healthy and to give us healthy skin
7	Grapes, pineapple, paw paw, cauliflower, cantaloupe , mango, orange

QU	PAGE 22
1	Snake
2	Amphibians
3	Can it swim
4	They lay eggs
5	A fish

QU	PAGE 23
6	Darkness
7	A door
8	Solid, liquid, gas
9	Animals whose body temperature changes to that of its surrounding
10	Cold blooded
11	reptiles, amphibians

QU	PAGE 24
12	Amphibian
13	It has scales and gills
14	The air fills all the space in the balloon
15	Solid
16	Water
17	Birds, fishes, amphibians, reptiles, mammals

QU	PAGE 25
18	a. True b. False c. True d. True e. True f. True g. False h. True i. True j. True k. False
19	Freezing
20	Bird - it has feathers. Lay eggs. Has wings / Mammal - covered with hair etc. / Fishes - it has scales. Lays eggs etc / Frog - it has moist scaly skin etc.

QU	PAGE 27
1	Circle - Sugar and milk
2	Salt
3	Milk
4	Solute - something that can melt / Solvent - is a liquid / Solution - is a mixture of solute and a solvent
5	Solute
6	solvent
7	-
8	Circle - apple, orange, banana

QU	PAGE 29
1	A mixture is two or more substances mixed together
2	Magnet, sieve, handpicking
3	Beans and stick / corn and marble
4	Sieve
5	To melt
6	Things that cannot dissolve
7	Gravel
8	Table Salt

QU	PAGE 32
	Matching - Paper clip and marbles - magnet / flour and beans - sieve or handpicking / salt and water - filtration / sand and water - sieve / filter
1	Evaporation
2	Solution

<b>3</b>	Residue
<b>4</b>	handpicking
<b>5</b>	Solution
<b>6</b>	Handpicking , magnet, sieve

QU	PAGE 34
<b>1</b>	Sand
<b>2</b>	Sand
<b>3</b>	clayey

QU	PAGE 37
<b>1</b>	Condensation
<b>2</b>	Evaporation
<b>3</b>	The loss of water from trees
<b>4</b>	Transpiration

QU	PAGE 39
<b>1</b>	To ensure an adequate supply of usable water for ourselves and for future generation.
<b>2</b>	Check faucets and pipes for leaks / don't let the faucets run while cleaning vegetables
<b>3</b>	Washing clothes, drinking
<b>4</b>	conserve
<b>5</b>	Water and Sewage Authority

QU	PAGE 40
<b>1</b>	By handpicking
<b>2</b>	Insoluble
<b>3</b>	Thumbtacks and marbles
<b>4</b>	Nail
<b>5</b>	Salt
<b>6</b>	solution

QU	PAGE 41
<b>7</b>	Milo
<b>8</b>	Recycles water

<b>9</b>	Transpiration, evaporation, condensation, precipitation
<b>10</b>	Water
<b>11</b>	Plants loose water through tiny openings in their leaves
<b>12</b>	It condenses
<b>13</b>	Using a sieve

QU	PAGE 42
<b>14</b>	Filtration
<b>15</b>	It is pure water that is safe for drinking and cooking
<b>16</b>	Size
<b>17</b>	Solute
<b>18</b>	Using a magnet, handpicking
<b>19</b>	Tiny water drops come together to form clouds

QU	PAGE 43
<b>20</b>	Handpicking
<b>21</b>	a. Filtration b. residue c. sand and water
<b>22</b>	To obtain corn grains from a mixture of rice and corn grains - hand picking / to obtain flour from a mixture from sand and flour - sieve / to obtain sand from a mixture salt and sand - filtration / to obtain salt from a salt solution - evaporation

QU	PAGE 44
<b>1</b>	World Health Day
<b>2</b>	7 <sup>th</sup> April
<b>3</b>	To draw worldwide attention to the major importance of having good health
<b>4</b>	Eat health and exercise

QU	PAGE 47
<b>1</b>	Mineral are substances formed naturally in the earth
<b>2</b>	Not man made
<b>3</b>	Copper, diamond, coal, iron
<b>4</b>	Asphalt, limestone
<b>5</b>	Jamaica
<b>6</b>	Road paving
<b>7</b>	Match - Silver - it is used for making jewellery, mirror / gold - it is used for making jewellery and coins / Sulphur - it is used to make insecticides / aluminum - it is used to build airplanes, vehicles

QU	PAGE 48
<b>1</b>	Fossil Fuels are made up of plant and animal matter
<b>2</b>	Petroleum, coal, natural gas
<b>3</b>	Fuel cars and airplanes, power electricity plants and heat our homes

4	Oil and gas
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QU	PAGE 50
1	To light stoves for cooking, heating water
2	Coal is a black rock that is made up of elements like carbon, nitrogen, oxygen, hydrogen and Sulphur
3	Cement and steel
4	Petroleum is formed from the decaying of tiny organisms such as algae
5	Gasoline, oils, asphalts
6	As a source of energy, keep our homes and offices comfortable, to manufacture detergents, paint

QU	PAGE 51
1	Natural gas
2	Petroleum in its solid form
3	Paving road, and water proofing building and bridges
4	Three forms - Petroleum, Natural Gas, Coal
5	Making medicine, and cosmetic
6	Pumping jack
7	Petroleum is a fossil fuel formed from decaying plants and animals

QU	PAGE 52
1	5 <sup>th</sup> June
2	To make people aware that they have to take positive environmental action to protect nature on the planet earth
3	Do not litter, plant trees

QU	PAGE 54
1	They have high cancer death rates
2	When Sulphur dioxide and water vapor mix under certain condition Sulphuric Acid and Nitric Acid are mixed with rainy water this is known as acid rain
3	People dependence on non-renewable resources all over the world is causing Global Warming
4	Global Warming and the melting of glaciers
5	Non-renewable resources are those found underground and they took million of years to form
6	Solar energy, wind energy, water energy
7	Solar energy

QU	PAGE 56
1	False
2	True
3	True



4	True
5	True
6	True
7	Plants

QU	PAGE 58
1	Wind Energy is formed from the rapid flow of the wind. It can be converted into Electricity by using a windmill.
2	Hydro electric energy is created by the force of falling water.
3	It is held behind a dam or reservoir
4	Drying clothes , use by plants to make food
5	To prevent depletion, by saving money, by reducing carbon dioxide, to prevent climate change
6	Turn off lights when not in use, and appliances / dry clothes in the sun

QU	PAGE 59
	<b><u>Vocabulary</u></b> Wither - to dry / Adequate - enough / habitat - home / germinate - to grow / produce - to make / mammals - warm blooded animals / vertebrates - without backbones
	Transpiration - the loss of water from trees / lessen - to reduce / drought - no rainfall / evaporation - changes liquid to become gas / conserve - save / alternative - another / non-renewable - cannot be used again / decomposed - rot / condensation - gas changes back into a liquid / insoluble - cannot melt / temperature - how cold or hot something else

QU	PAGE 60
1	Wind energy
2	The rapid flow of the wind
3	Those sources of energy that can be used in place of non-renewable resources
4	The earth hundreds of million of years ago
5	The decaying of tiny organisms such as algae

QU	PAGE 61
6	Solar Energy
7	Electrical Energy
8	Minerals
9	Coal
10	Sun
11	Match - Petroleum based product - candle , crayon, plastic, gasoline / Minerals - gold, copper, silver

QU	PAGE 62
12	a. Transpiration    b. fossil fuels    c. photosynthesis    d. hydroelectric energy e. fossils            f. paint, plastic, gasoline

<b>13</b>	Reptile
<b>14</b>	Conserve - save / reduce - lessen / deplete - reduce, diminish
<b>15</b>	Petroleum, coal

QU	PAGE 63
<b>16</b>	a. False b. True c. True d. True e. True f. False g. False h. True
<b>17</b>	Wind, water, sand
<b>18</b>	Energy from the sun
<b>19</b>	For future generations or use, to make ensure it does not deplete
<b>20</b>	Limestone - it is used as a building material / Aluminum - it is used to build airplanes / Diamond - it is used for jewellery and cutting tools / bauxite - it is used to make Aluminum / Silver - it is used for making jewellery and mirror

QU	PAGE 65
<b>1</b>	Goat, sheep, pig
<b>2</b>	Ochro, corn, peas

QU	PAGE 66
<b>5</b>	Air, water, food (nutrients from the soil) and sunlight

QU	PAGE 68
<b>1</b>	So plants will have enough space for normal healthy growth
<b>2</b>	To move seedlings from one place to another place
	How can seedlings be thinned - wet the soil, removed seedlings leaving only one seedling, make sure to put the other seedlings in different pots, anchor plants firmly into the soil

QU	PAGE 69
<b>1</b>	Wet soil, used healthy seeds, used fertilizers
<b>2</b>	Food, space, water, light

QU	PAGE 70
<b>1</b>	Safety goggles, sturdy shoes
<b>2</b>	To prevent blistering of your skin from fertilizers
<b>3</b>	To prevent injury to your eyes
<b>4</b>	To reduce blistering and protect your skin from fertilizers, pesticides, bacteria and fungus that live in the soil

QU	PAGE 71
<b>1</b>	Fish farming is the rearing of fish for personal use or profit

<b>2</b>	Aquaculture
<b>3</b>	Source of food, recreation, source of income

QU	PAGE 73
<b>1</b>	Tilapia, salmon, tuna, goldfish
<b>2</b>	Peace of land, supply of water, baby fish to rear, food for your fish
<b>3</b>	Use cultural species for climate - tilapia and shrimp / Pond site selection / design and construction / feeding / harvesting

QU	PAGE 75
<b>1</b>	Eggs
<b>2</b>	Larvae
<b>3</b>	Larvae
<b>4</b>	Fry

QU	PAGE 77
	The water should be flowing with the use of pumps, check the temperature daily with the thermometer, removed uneaten food using a substrate siphon.
<b>1</b>	Feed
<b>2</b>	Size
<b>3</b>	Types
<b>4</b>	Small
<b>5</b>	Eating
<b>6</b>	Evenly
<b>7</b>	Equipment
<b>8</b>	Company
<b>9</b>	Flakes
<b>10</b>	clothing
<b>1</b>	Make sure construction and maintenance of all electrical installation are safe. Use protective clothing for wet conditions / safety equipment must be functional

QU	PAGE 78
<b>1</b>	True
<b>2</b>	False
<b>3</b>	True
<b>4</b>	True
<b>5</b>	False
<b>6</b>	False

QU	PAGE 79
	Tomato - ketchup / pepper - pepper sauce / pineapple - jam

QU	PAGE 80
	Cocoa - chocolate / Mango - kuchala, preserve red mango / coconut - oil, soap

QU	PAGE 81
1	It's cheaper to import and transport the food than it is to produce it locally
2	Our countries climate and land does not allow growing of all sort of fruits and vegetables throughout the year

QU	PAGE 83
1	Say he can't talk he is doing some important office work
2	Tell him it is urgent, grandma is sick

QU	PAGE 84
1	Respect is to show regard or consideration to others
2	Teachers, elders, friends, parents
3	No, may I have a pie please
4	No, she should have placed the paper in a bin
5	Don't deface (draw on wall, on desk)
6	No, play his music softly or wait until the service was done

QU	PAGE 86
1	A rule or a law is a set of instruction of what is allowed or not allowed to do
2	Laws are made for your safety and protection
3	Chaos (stealing, crime)
4	Obey traffic lights, pay your taxes, don't litter
5	No running, ask permission to borrow things, do not litter
6	No, he should have waited on his turn
7	Do not play ruff, do not damage the playground equipment, do not bully your friends

QU	PAGE 88
1	Embarrassed, ashamed
2	Use bins to put garbage, plant more trees, use chemically only when needed
3	Do not litter
4	Damage crops, kill animals, make water dirty

QU	PAGE 89
1	It means being in charge of something or someone

<b>2</b>	Negative behavior - cheating, wearing the wrong uniform, not completing home work
	Mother - takes care of children, prepare meals, wash clothes
	Teacher - takes care of students, give knowledge
	Doctor - takes care of the sick
	Policeman - takes care of law and order

QU	PAGE 90
<b>1</b>	By following rules and regulation
<b>2</b>	Control your feelings, do what is right
<b>3</b>	Negative behavior
<b>4</b>	Negative behavior

QU	PAGE 91
<b>1</b>	No
<b>2</b>	Yes
<b>3</b>	No
<b>4</b>	Yes
<b>5</b>	Yes

QU	PAGE 92
<b>1</b>	Is shown when you are reliable, you keep your promise and do what you say you will do
<b>2</b>	You and your personal belongings safe
<b>3</b>	Support your friends, family and your country
<b>4</b>	Find ways to share, take turns and not feel jealous, include others in game and activities, don't leave people out, follow the rules when you are playing games

QU	PAGE 94
<b>1</b>	Mr. Pierre needs a house to live in
<b>2</b>	Air, food, shelter, clothing
<b>3</b>	To protect their body
<b>4</b>	Healthy smooth skin, strong bone and teeth
<b>5</b>	To provide safety from the weather, thieves and scary animals