

Gracewood Academy

Year 10 Top Ten Tests

Half Term 1

Name: _____

Form: _____

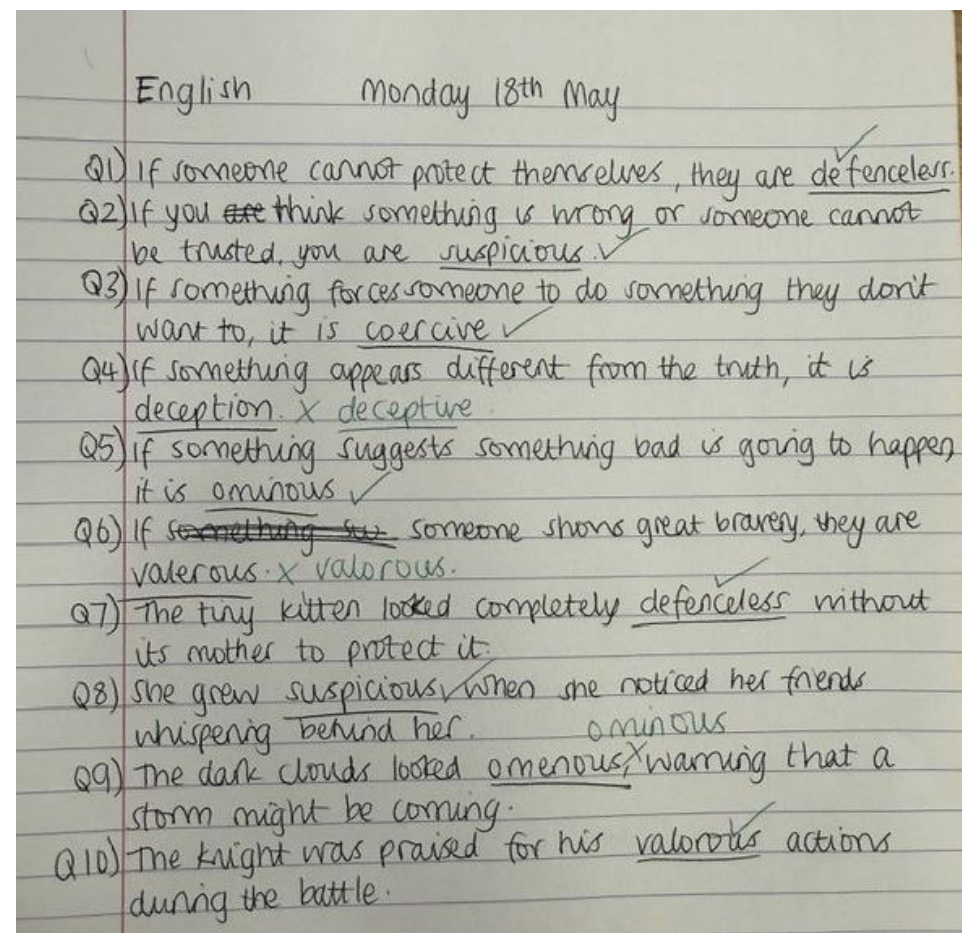
Instructions

For half term 1, we will focus on core subjects only. Your options subjects will likely set you different homework to work on during this time.

1. Read question 1 and the answer.
2. Cover up the answer.
3. Read the question and say out loud the missing word or phrase.
4. Write down the **whole sentence** with the missing answer.
5. Check with your green pen and make corrections.
6. Repeat for all 10 questions.
7. Repeat until the page is full.

Week 1 – checked on Thursday 1 st October	Week 2 – checked on Thursday 8 th October	Week 3 – checked on Thursday 15 th October	Week 4 – checked on Thursday 22 nd October	Final week checked on first Thursday after half term
Maths English Science Citizenship	Maths English Science Citizenship	Maths English Science Citizenship	Maths English Science Citizenship	Maths English Science Citizenship

An example of completed homework



- Fill the page
- One line space at the top and one line space at the bottom of the page maximum
- Underline the missing word
- Mark with green pen and correct when wrong
- Number in the margin
- Date and subject

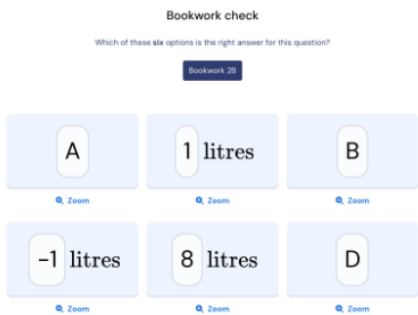
Week 1 – checked on Thursday 1st October

Maths Sparx Homework looks slightly different.

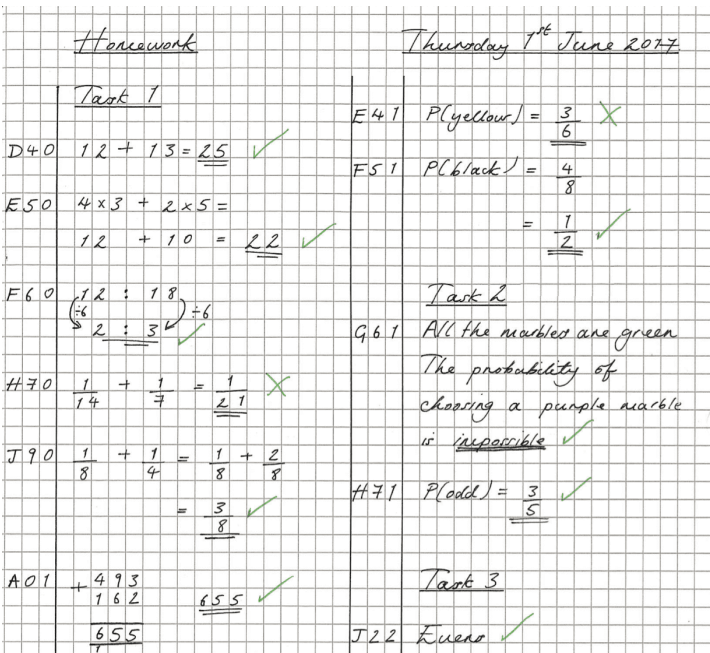
Your teacher will set Sparx maths each week and you will be expected to complete the Bookwork Checks in your homework book.

- 1. Write the bookwork code before starting each question.
- 2. Show all workings clearly next to the relevant code.
- 3. Fill the page with your work

The questions will look something like this:



An example of what good bookwork looks like is here



English Homework

	QUESTION	ANSWER
Q1	If you are _____, you exist alone, in isolation.	solitary
Q2	If you are _____, you are greedy, especially for financial gain.	avaricious
Q3	Something that is _____ is intended to teach and often has a moral lesson.	didactic
Q4	If you are _____, you show a dislike of other people and are unsociable.	misanthropic
Q5	The act of _____ is being freed from the consequences of sin or wrongdoing.	redemption
Q6	If you show _____ you commit to sorrow or payment for a sin or wrongdoing you have committed.	penance
Q7	A _____ is a significant event that changes the action or protagonist in a story.	catalyst
Q8	A _____ is an exaggerated version of a person to create humorous or grotesque effect.	caricature
Q9	If you are _____ you lack knowledge or information.	ignorant
Q10	If you _____ something you are the perfect example of it.	embody

Science Homework

	QUESTION	ANSWER
Q1	A factor restricting photosynthesis is a _____.	Limiting factor
Q2	Respiration without oxygen is called _____ respiration.	Anaerobic
Q3	All chemical reactions within cells form the _____.	Metabolism
Q4	An _____ is a substance made up of only one type of atom e.g. Helium (He) and Oxygen (O ₂)	Element
Q5	A _____ is a substance formed when two or more atoms from different elements are chemically bonded.	Compound
Q6	A _____ is two or more substances not chemically combined together e.g. <i>air is a mixture of different gases</i>	Mixture
Q7	Energy cannot be _____ or destroyed	Created
Q8	The 8 energy stores are kinetic, thermal, chemical, gravitational potential, elastic potential, nuclear, _____ and magnetic	Electrostatic
Q9	An object or collection of objects is called a _____	System
Q10	Working scientifically: The _____ variable is the ONE thing changed within a science investigation.	Independent

Citizenship Homework

	QUESTION	ANSWER
Q1	_____ are a moral or legal entitlement.	Rights
Q2	_____ are what we call an obligation to do something.	Responsibilities
Q3	_____ 1998 protects human rights in the UK.	Human Rights Act
Q4	_____ is the age of criminal responsibility.	10
Q5	_____ is where you attempt to influence government officials or political decisions.	Lobbying
Q6	Disputes between employers and employees may be heard by an Employment _____.	Tribunal
Q7	ACAS stands for Advisory, Conciliation and _____ Service.	Arbitration
Q8	_____ are organisations which protect workers' rights.	Trade Unions
Q9	_____ is when an employer ends an employee's contract of employment.	Dismissal
Q10	A _____ is an organisation that aim to influence government policy.	Pressure Group

Week 2 – checked on Thursday 8th October

Maths Sparx Homework looks slightly different.

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- 1. Write the bookwork code before starting each question.
- 2. Show all workings clearly next to the relevant code.
- 3. Fill the page with your work

The questions will look something like this:

Bookwork check

Which of these six options is the right answer for this question?

Bookwork 28

A

1 litres

B

-1 litres

8 litres

D

An example of what good bookwork looks like is here

Homework

Thursday 1st June 2017

Task 1

Task 2

Task 3

D40

E50

F60

H70

J90

A01

$12 + 13 = 25$

$4 \times 3 + 2 \times 5 =$
 $12 + 10 = 22$

$\begin{pmatrix} 12 : 18 \\ 2 : 3 \end{pmatrix} \div 6$

$\frac{1}{14} + \frac{1}{7} = \frac{1}{21}$

$\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8} = \frac{3}{8}$

$\begin{array}{r} 493 \\ + 162 \\ \hline 655 \end{array}$

E41

F51

G61

H71

J22

$P(\text{yellow}) = \frac{3}{6}$

$P(\text{black}) = \frac{4}{8} = \frac{1}{2}$

All the marbles are green. The probability of choosing a purple marble is impossible.

$P(\text{odd}) = \frac{3}{5}$

Lueno

English Homework

	QUESTION	ANSWER
Q1	Going through a process of _____ is to turn from sin and dedicate yourself to changing your life.	repentance
Q2	Showing _____ is acting in a well-meaning and kind way.	benevolence
Q3	A literary _____ is a character who contrasts the main character.	foil
Q4	If something or someone is _____ they constantly change or progress.	dynamic
Q5	A _____ is a repeated object or idea that becomes a symbol across a text.	motif
Q6	A _____ is a text or artwork that comments on social issues.	social commentary
Q7	If there is an _____ of something there is a very large quantity, plenty.	abundance
Q8	If you are experiencing _____ you are having a difficult or unpleasant situation.	adversity
Q9	If you _____ something you uncover it and make it visible or reveal the truth.	expose
Q10	If you _____ someone or something you give it human character and make it more humane.	humanise

Science Homework

	QUESTION	ANSWER
Q1	Proteins that bind to specific antigens are _____.	Antibodies
Q2	Identical antibodies produced from one clone are _____.	Monoclonal antibodies
Q3	Photosynthesis is an _____ reaction.	Endothermic
Q4	The atomic number tells us the number of _____ in the nucleus of an atom.	Protons
Q5	The _____ tells us the <i>total number of protons and neutrons</i> in the nucleus of an atom.	Atomic Mass
Q6	Atoms have no overall charge as they have the same number of positive _____ and negative _____ so any charges cancel out.	protons (and) electrons
Q7	A system is in _____ when there are no energy transfers	Equilibrium
Q8	The 4 energy transfer pathways are: heating, radiation, mechanically and _____	Electrically
Q9	Energy moves between _____ via energy transfer pathways	Stores
Q10	Working scientifically: The _____ variable is the thing that is measured (or observed) e.g. <i>temperature change</i> .	Dependent

Citizenship Homework

	QUESTION	ANSWER
Q1	_____ Law deals with people who break laws set by the state.	Criminal
Q2	A Youth _____ Team works with young offenders to reduce reoffending and support rehabilitation.	Offending
Q3	_____ law is created by Parliament through Acts of Parliament.	Parliamentary
Q4	The legal principle of Joint _____ was developed through case law.	enterprise
Q5	_____ Law develops through customs and traditions recognised by the courts.	Common
Q6	Common assault is an example of _____ Law.	Common
Q7	A _____ is a member of the legal profession who provides legal advice to clients.	Solicitor
Q8	A _____ decide the verdict in Crown Court cases.	jury
Q9	The _____ who believes they have been discriminated against must bring the claim under the Equality Act, not the _____.	Individual, police
Q10	_____ is a protected characteristic that refers to a person's ethnic background.	Race

Week 3 – checked on Thursday 15th October

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- 1. Write the bookwork code before starting each question.
- 2. Show all workings clearly next to the relevant code.
- 3. Fill the page with your work

The questions will look something like this:

Bookwork check

Which of these six options is the right answer for this question?

Bookwork 28

A

1 litres

B

-1 litres

8 litres

D

An example of what good bookwork looks like is here

Homework

Thursday 1st June 2017

Task 1

D40 $12 + 13 = 25$ ✓

E50 $4 \times 3 + 2 \times 5 =$
 $12 + 10 = 22$ ✓

F60 $\begin{pmatrix} 12 : 18 \\ 2 : 3 \end{pmatrix} \div 6$ ✓

H70 $\frac{1}{14} + \frac{1}{7} = \frac{1}{21}$ ✗

J90 $\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{2}{8}$
 $= \frac{3}{8}$ ✓

A01 $\begin{array}{r} 493 \\ + 162 \\ \hline 655 \end{array}$ ✓

Task 2

G41 $P(\text{yellow}) = \frac{3}{6}$ ✗

F51 $P(\text{black}) = \frac{4}{8}$
 $= \frac{1}{2}$ ✓

G61 All the marbles are green. The probability of choosing a purple marble is impossible ✓

H71 $P(\text{odd}) = \frac{3}{5}$ ✓

Task 3

J22 $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ ✓

English Homework

	QUESTION	ANSWER
Q1	To _____ is to strip a person or group of their positive human qualities, dignity, and individuality.	dehumanise
Q2	To _____ something or someone is take advantage for your own gain often in an unfair way.	exploit
Q3	If something is _____ it is extremely unpleasant and to the maximum degree.	abject
Q4	_____ is the state of being in short supply, shortage.	Scarcity
Q5	The process of _____ is the act of changing or reforming.	reclamation
Q6	If you show _____, you show compassion, especially to an offender.	mercy
Q7	A _____ is a marked change in form, nature and appearance.	transformation
Q8	An _____ is a sign of a future event.	omen
Q9	_____ - the term used when a story or film begins and ends in a similar way to mirror the beginning.	Circular structure
Q10	_____ is the process of restoring someone back to a group or better state of wellbeing.	Rehabilitation

Science Homework

	QUESTION	ANSWER
Q1	Small rings of DNA in bacterial cells are called_____.	Plasmids
Q2	Movement against a concentration gradient is _____.	Active transport
Q3	Cell division producing identical daughter cells is _____.	Mitosis
Q4	Almost all the mass of an atom is contained in the _____ as it contains the protons and neutrons.	Nucleus
Q5	_____ are atoms of the same element with the same number of protons and electrons but a different number of neutrons.	Isotopes
Q6	Electrons occupy _____, starting with the lowest _____ (closest to the nucleus).	shells, energy level
Q7	$E_k = \frac{1}{2}mv^2$ is the formula used to calculate ____ energy	Kinetic
Q8	Δ is called Delta, Delta means a ____ in value	Change
Q9	$E_p = mgh$ is the formula used to calculate	Gravitational Potential Energy
Q10	Working scientifically: The _____ variables are kept the same to ensure a fair test.	control (variables)

Citizenship Homework

	QUESTION	ANSWER
Q1	_____ law deals with disputes between individuals or groups.	Civil
Q2	Crime is a behaviour that is against the _____ and may result in punishment.	Law
Q3	_____ are volunteer citizens who help decide cases in a Magistrates' Court.	Magistrates
Q4	CPS stands for_____	Crown Prosecution Service
Q5	_____ is the highest court in the land.	Supreme Court
Q6	_____ court deals with the most serious crimes.	Crown
Q7	The Equality Act is a law that protects people from _____ and promotes equal opportunities.	discrimination
Q8	There are _____ members of the Jury which sit in the Crown court.	12
Q9	An unfair outcome in a legal case is called a _____.	Miscarriage of Justice
Q10	If an employer refuses to hire someone because they are too old, this is a form of _____	Direct Discrimination

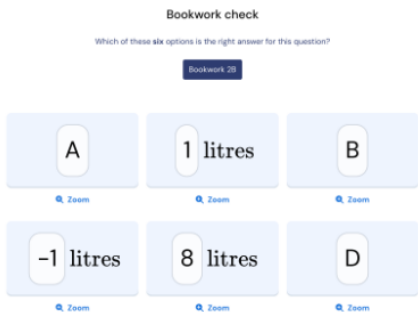
Week 4 – checked on Thursday 22nd October

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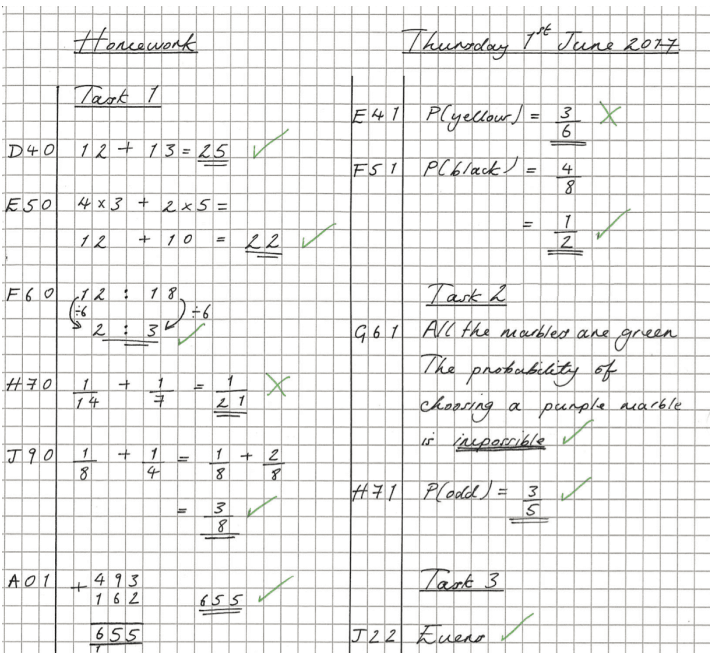
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The questions will look something like this:



An example of what good bookwork looks like is here



English Homework

	QUESTION	ANSWER
Q1	If you are _____ you seek to promote the welfare of others and show generosity.	philanthropic
Q2	If you are _____ you express disproving judgements.	critical
Q3	A _____ is a simple story to teach a moral lesson.	parable
Q4	_____ is a set of principles which help us decide between right and wrong behaviour.	morality
Q5	If you _____ for something you support it.	advocate
Q6	To _____ something is to build or make it.	construct
Q7	To do something _____ is to act with intention, consciously.	deliberately
Q8	A _____ is a word or phrase which organises and structures discourse	discourse marker
Q9	An _____ is a story or poem where the characters and events symbolise deeper meanings.	allegory
Q10	_____ is the sense that something bad will happen.	Foreboding

Science Homework

	QUESTION	ANSWER
Q1	Unspecialised cells capable of differentiation are _____.	Stem cells
Q2	The region where a substrate binds is the _____.	Active site
Q3	Permanent enzyme shape change is called _____.	Denaturation
Q4	The _____ electron shell (_____ to the nucleus) holds a maximum of two electrons.	First, closest
Q5	The second and third electron shells hold a maximum of eight electrons each.	eight (8)
Q6	Elements are arranged in order of increasing _____.	Atomic number
Q7	Elements with similar chemical properties are placed in the same _____ (vertical column) of the periodic table	Group
Q8	The _____ of a material is the energy required to raise one kilogram (kg) of the material by one degree Celsius (°C).	Specific Heat Capacity
Q9	_____ is the rate of energy transfer	Power
Q10	_____ is how good a device is at transferring energy input to useful energy output is called	Efficiency

Citizenship Homework

	QUESTION	ANSWER
Q1	Magistrates' Courts deal with _____ serious crimes.	less
Q2	Defendants are entitled to legal _____	representation
Q3	Legal aid is financial assistance provided to people who cannot afford _____ representation in court.	legal
Q4	The Equality Act 2010 is an example of _____ law because it protects individuals from discrimination.	civil
Q5	Civil law are laws that deal with disagreements between people or organisations and usually involve _____	compensation
Q6	_____ law is made by Parliament.	statute
Q7	Common law is based on _____ from past judgements	precedent
Q8	UK law is also heavily influenced by _____ such as the United Nations (UN).	International organisations
Q9	ACAS stands for Advisory, _____ and Arbitration Service	Conciliation
Q10	_____ before the law is one of the key principles of law.	Equality

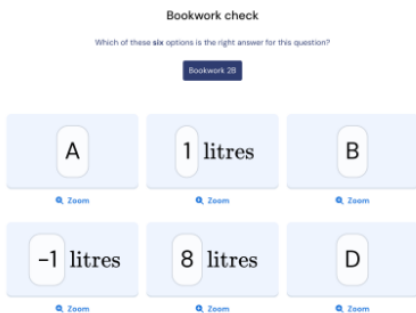
Week 5 – checked on first Thursday after half term

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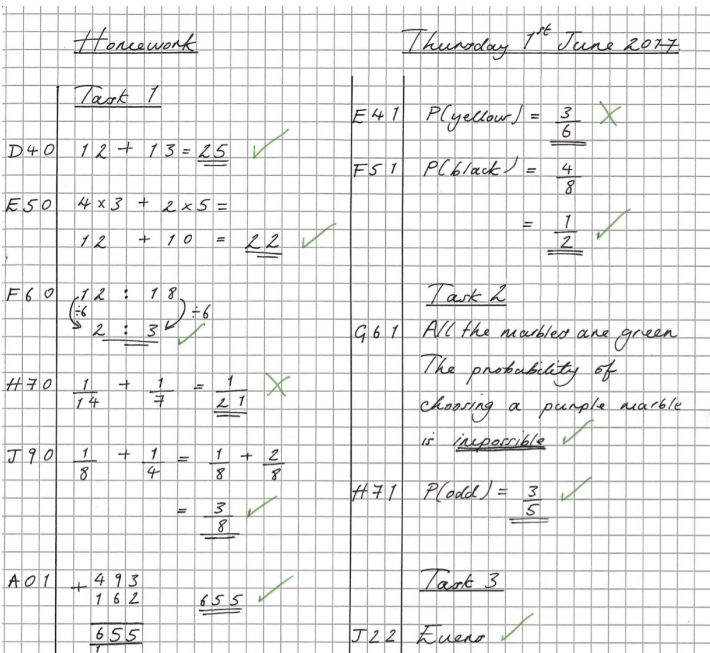
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The questions will look something like this:



An example of what good bookwork looks like is here



English Homework

	QUESTION	ANSWER
Q1	'Marley was as dead as a ____.'	doornail
Q2	'Are there no ____? Are there no workhouses?'	prisons
Q3	"Solitary as an ____."	oyster
Q4	"If they would rather die... they had better do it, and decrease the ____."	surplus population.
Q5	'I wear the chain I ____ in life'	forged
Q6	"____ was my business."	Mankind
Q7	'This boy is Ignorance. This girl is ____.'	Want
Q8	'Another idol has displaced me... a ____ one.'	golden
Q9	"I will honour ____ in my heart, and try to keep it all the year."	Christmas
Q10	'God bless us, ____ one!'	every

Science Homework

	QUESTION	ANSWER
Q1	Blood vessels supplying the heart muscle are _____.	Coronary arteries
Q2	Uncontrolled cell division can produce a _____.	Tumour
Q3	Disease-causing microorganisms are called _____.	Pathogens
Q4	Elements in the same group have the same number of _____.	outer electrons
Q5	The number of electron shells tells you what _____ (row) the atom is located in.	period
Q6	The _____ are found on the left-hand side and the centre of the periodic table	metals
Q7	The ____-_____ are found on the right-hand side of the periodic table.	Non-metals
Q8	_____Energy resources include: bio-fuel, wind, hydroelectricity, geothermal, tidal, and solar.	Renewable
Q9	Carbon dioxide and methane are _____ gasses which are causing the temperature of the earth to rise	Greenhouse
Q10	Unwanted energy transfers can be reduced by insulation, _____ and streamlining.	Lubrication

Citizenship Homework

	QUESTION	ANSWER
Q1	The presumption of innocence is everyone is seen as innocent until they are proven _____ by the prosecution in court.	guilty
Q2	_____ is to ensure that those who break the law are punished.	justice
Q3	When arrested citizens have the right to remain _____ or refuse to answer questions	silent
Q4	Police and Crime Commissioners are _____ from their local police force and oversee the service provided.	independent
Q5	Special constables _____ the police.	support
Q6	The _____ have the right to use reasonable force to stop and search someone.	police
Q7	People under the age of _____ and other _____ groups are entitled to an appropriate adult when questioned by the police.	18, vulnerable
Q8	Legal representation helps prevent miscarriages of _____	justice
Q9	Civil/political rights are the rights and freedoms that people are entitled to because they are a member of a certain political _____.	state
Q10	Criminals are entitled to legal representation. To protect the right to a _____ trial.	fair