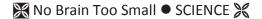


## All the really useful stuff you didn't learn in Acids & Bases this year!

Solve these really awful cryptic clues to find a word associated with the Acids and Bases AS. [2] means it is a 2 word answer. Each answer starts with the letter beside the clue. E.g. A: a small male cat. Answer: Atom © Good luck!

|                     |   | T  |
|---------------------|---|--|
| acid                | Α | ah little Sidney, you are a sharp tasting one indeed!            |
| barium              | В | do this with the dead bodies                                     |
| catalyst            | С | helps the feline speed up remembering what to shop for           |
| detergent           | D | put a little gentleman off doing washing up                      |
| element             | E | Ellie intended to make a single type of atom                     |
| fizzy               | F | f is 'e stuff? What a gas!                                       |
| glucose             | G | sticky stuff 'cause we need the energy of course                 |
| helium              | н | lighter than air Liam is definitely male                         |
| iodine              | ı | IO eats a meal to test a leaf for starch                         |
|                     | J |  |
| krypton             | К | super spooky burial chamber is scheduled for a man               |
| litmus              | L | indication is it mus' have gone up in a load of flames           |
| metal               | М | encountered a little very malleable Albert                       |
| neon                | N | leg joint isn't off  |
| oxide               | 0 | skin from the ox is a pretty basic ion                           |
| pipette             | Р | little Pippa consumed a plastic dropper                          |
|                     | Q |  |
| rate                | R | the going price for how fast the reaction happens                |
| silicon             | S | really daft prisoner – it's elementary                           |
| tin                 | Т | can you try going backwards, you nit?                            |
| universal indicator | U | way to show everyone what is going on [2]                        |
| valence             | V | how the Russian asks for directions to the outskirts of Lence    |
| weak                | w | pretty damn feeble acid  |
|                     | Х |  |
| yellow              | Υ | shout out something in pain – at sulfurs appearance              |
| zinc nitrate        | Z | wage paid to Russian employee washing plates well after dark [2] |
|                     | _ |  |



## All the really useful stuff you didn't learn in Mechanics this year!

Solve these really awful cryptic clues to find a word associated with the Mechanics AS. [2] means it is a 2 word answer. Each answer starts with the letter beside the clue. E.g. A: a small male cat. Answer: Atom ③ Good luck!

|          | 1 | Ţ  |
|----------|---|--|
| area     | Α | better ventilated can relieve the pressure                 |
| buoyant  | В | floating male small insect                                 |
| constant | С | trick Stan T. into travelling at a steady speed            |
| drag     | D | friction's a real bore                                     |
| energy   | E | NRG  |
| force    | F | may this be with you                                       |
| gravity  | G | don't you appreciate the seriousness of the situation?     |
| height   | Н | 'hello T, you are looking tall'                            |
| incline  | I | Instruct Cline to come inside now – its plane to see       |
| joule    | J | hot energetic gem  |
| kilogram | K | murder a massive object – that could be heavy stuff        |
| line     | L | shortest distance between two points – but don't cross it! |
| matter   | М | 'oh dear, what can the amount of material in stuff be!"    |
| newton   | N | ton or tonne or tun – what's the most recent version?      |
| opposite | 0 | balanced forces are mixed up pipes too                     |
| pressure | Р | squeeze the girl   |
|          | Q |  |
| reaction | R | support the force!   |
| speed    | S | no O – he's fast in that swimwear                          |
| terminal | Т | fatal speed?   |
| units    | U | do it yourself jersey productions                          |
| velocity | V | speed in the large town named after the french bicycle     |
| watt     | w | didn't you hear the units?                                 |
|          | Х |  |
|          | Υ |  |
|          | Z |  |
|          |   |  |



## All the really useful stuff you didn't learn in Genetics this year!

Solve these really awful cryptic clues to find a word associated with the Genetics AS. [2] means it is a 2 word answer. Each answer starts with the letter beside the clue. E.g. A: a small male cat. Answer: Atom  $\odot$  Good luck!

| amino acid          | Α | very selfish 15 <sup>th</sup> letter has low pH [2]   |
|---------------------|---|---|
| base                | В | it's all about the says Meghan (No treble)  |
| complementary       | С | base pairing says nice things about your appearance   |
| dominant            | D | little Dominic has been eaten by a small insect   |
| eggs                | Е | fried or boiled?  |
| family tree         | F | big mummy, big daddy and big baby plant [2]   |
| genotype            | G | Gee refuses to use his keyboard skills  |
| hydrogen bond       | Н | cheery greeting for 'drogen' 007 [2]  |
| inherit             | ı | in – big bunny - it   |
|                     | J |   |
|                     | K |   |
| line / line up      | L | form a queue mid-way between poles  |
| multiplication      | М | it's the same as division in biology  |
| nucleic acid        | N | latest pottery material I see that isn't at all basic [2]   |
| ova                 | 0 | eggs again and again and againit's just not cricket!  |
| punnett             | Р | basket of strawberries  |
|                     | Q |   |
| ratio               | R | oi rat! Are you mixed up about genotype or phenotype  |
| survive             | S | "first I was afraid, I was petrified, kept thinking I could never live without you by my side" I will |
| trait               | Т | Cook Strait has no chefs that describe their phenotype  |
|                     | U |   |
| variation / variety | V | bit of a change is good for survival  |
| wrinkled            | W | Mendel's peas were very crinkly   |
| ху                  | Х | the sign of a real man!   |
| y chromosome        | Υ | Are some men are colour blind because of this [2]   |
| zygote              | Z | doe and buck"Sigh" says Billy Gruff   |