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| **Topic** |  | **Question** | **Answer** |
| Cell Biology | 1 | What type of cell doesn’t have a nucleus? |  |
| 2 | Name one structure that a plant cell has that an animal cell does not have. |  |
| 3 | What is the site of photosynthesis inside the cell? |  |
| 4 | Where are proteins synthesised inside the cell? |  |
| 5 | Where do most chemical reactions occur inside the cell? |  |
| 6 | What are the small loops of DNA found in prokaryotic cells called? |  |
| Diseases | 7 | What do we call a microorganism that can cause infectious diseases? |  |
| 8 | What specific proteins are found on the surface of a pathogen?  |  |
| 9 | What type of disease is **not** caused by a pathogen? |  |
| 10 | What type of white blood cell can engluf and digest a pathogen? |  |
| 11 | How can we describe a person who is able to resist a disease? |  |
| 12 | Give one example of a bacterial disease that can infect humans. |  |
| Atomic Structure | 13 | Where are the protons and neutrons found in an atom? |  |
| 14 | Where are the electrons found? |  |
| 15 | Ions are ……………. particles |  |
| 16 | What charge are electrons? |  |
| 17 | What charge are protons? |  |
| 18 | What type of substance contains two or more different elements chemically bonded? |  |
| Periodic table | 19 | If carbon has an atomic number of 6 how many protons does it have? |  |
| 20 | If carbon has a mass number of 6 and a mass number of 14 how many neutrons does it have? |  |
| 21 | Two atoms are the same element if they have the same number of …………. |  |
| 22 | Isotopes are atoms that have the same number of protons, but different numbers of ……………….. |  |
| 23 | Which group of the periodic table are the alkali metals found?  |  |
| 24 | Elements are made up of only one type of ……….. |  |
| Electricity | 25 | Electric current is the flow of ………………. through a conductor |  |
| 26 | Potential difference is the same as v………….. |  |
| 27 | To measure the electric current in a circuit, you need to include an ………………. in series |  |
| 28 | To measure the potential difference in a circuit, you need to include a ………………. In parallel |  |
| 29 | Write down the equation that links voltage, resistance and current |  |
| 30 | Draw the circuit symbol for a bulb |  |
| Energy | 31 | Energy cannot be c………….. or d……………. |  |
| 32 | What is the unit for energy?  |  |
| 33 | What is the unit for power?  |  |
| 34 | Specific heat capacity is the energy needed to raise the temperature of …………….. of a substance by 1 ̊ C |  |
| 35 | In physics, an object, or group of objects is known as a ……………… |  |
| 36 | Fossil fuels will one day run out. They are therefore known as a ……………………. energy resource |  |
|  |  | **Total** |  /36 |

Which topic(s) did you get the lowest score in? Circle at least one topic below to revise.

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| **Topic** | **Textbook pages** |
| Cell Biology | 4-22 |
| Disease | 74-97 |
| Atomic structure | 4-20 |
| Periodic table | 22-35 |
| Electricity | 50-60 |
| Energy | 4-23 |