

How to Revise Week

Question-a-day and 20 minute Revision tasks
April 2022

Subject: Biology paper 1



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
<p>4th April What is the purpose of the fine adjustment knob on a light microscope?</p>	<p>5th April What is a group of organs working together to perform a particular function called?</p>	<p>6th April What are pathogens?</p>	<p>7th April Photosynthesis is an exothermic reaction. True or false?</p>	<p>8th April How does the size of an organism affect its surface area to volume ratio?</p>	<p>9th April How do enzymes affect the rate of reaction?</p>	<p>10th April What type of pathogen causes rose black spot in plants and how is it spread?</p>	
<p>11th April Which three environmental variables can affect the rate of photosynthesis?</p>	<p>12th April Which cells in plants are specialized in absorbing water and minerals from the soil?</p>	<p>13th April Which type of molecule is broken down into amino acids?</p>	<p>14th April State two symptoms of measles and how is measles spread?</p>	<p>15th April How does a very high temperature affect the rate of photosynthesis?</p>	<p>16th April Name two gases that are exchanged in a leaf</p>	<p>17th April What type of food molecule can be identified in a sample using the Benedicts Test?</p>	
<p>18th April How is gonorrhoea spread between individuals?</p>	<p>19th April What is meant by the term "metabolism"?</p>	<p>20th April What type of membrane is needed for osmosis to happen?</p>	<p>21st April Name the structure in the lungs where gas exchange takes place.</p>	<p>22nd April State one way that the spread of salmonella is controlled UK?</p>	<p>23rd April What is the function of alveoli?</p>	<p>24th April Which side of the heart pumps deoxygenated blood to the lungs?</p>	
<p>25th April How does phagocytosis help defend against pathogens?</p>	<p>26th April Give the word equation for aerobic respiration</p>	<p>27th April Is a plant cell a prokaryotic cell or a eukaryotic cell?</p>	<p>28th April What is the function of white blood cells?</p>	<p>29th April What does it mean when patients are given a placebo?</p>			

Subject: Biology (triple or combined)

Exam Board: AQA

Mock exam Paper: Biology Paper 1

Topics to Revise:

- B1- Cell Biology
- B2- Organisation
- B3- Infection and response
- B4- Bioenergetics (photosynthesis, respiration and metabolism)

How to Revise Week

Question-a-day and 20 minute Revision tasks
April 2022

Subject: Chemistry paper 1



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
4th April What is the relative charge of a neutron?	5th April True or False? A positive ion is formed when an atom gains electrons.	6th April How do you calculate the percentage mass of an element in a compound?	7th April Give the names of the ions that are produced by the breakdown of water molecules?	8th April What is the definition of an exothermic reaction?	9th April How many carbon atoms are there in a molecule of Calcium Carbonate CaCO_3	10th April Do ionic compounds have high or low melting points?	
11th April What is the definition of a mole? (The chemistry thing not an animal)	12th April What name is given to the negative electrode in electrolysis?	13th April Are neutralization reactions exothermic or endothermic?	14th April Why should you put a lid on a container in a paper chromatography experiment?	15th April How many electrons does each atom donate in a single covalent bond?	16th April What is meant by the term "conservation of mass"?	17th April What sort of reaction occurs when zinc is added to a solution of copper chloride?	
18th April Give an example of an everyday use for a) an endothermic and b) an exothermic reaction.	19th April In fractional distillation where is the hottest point of a fractionating column?	20th April How are the atoms in a polymer joined together?	21st April What is the definition of a limiting reactant?	22nd April Give an example of a metal that can be mined in its elemental form.	23rd April Is the change in bond energy for an exothermic reaction positive or negative?	24th April What was the plum pudding model of the atom?	
25th April Give one property of diamond?	26th April How do you find concentration of a solution in g/dm^3 ?	27th April T or F? Water insoluble bases do not take part in neutralisation reactions with acid?	28th April What is a metal?	29th April What is the name of the process where a gas turns into a liquid?			

Subject: Biology (triple or combined)

Exam Board: AQA

**Mock exam Paper: Chemistry Paper
1**

Topic to Revise:

- Topic to Revise:
- C1- Atomic structure and the periodic table
- C2- Bonding structure and the properties of matter
- C3- X not quantitative chemistry topic 3 X
- C4- Chemical changes
- C5-Energy changes

How to Revise Week

Question-a-day and 20 minute Revision tasks
April 2022

Subject: Physics paper 1



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
<p>4th April Name three different energy stores.</p>	<p>5th April True or False? The current in a single closed loop of wire is the same at any point.</p>	<p>6th April In which state of matter do particles move fastest?</p>	<p>7th April True or False? Isotopes of an element have same number of neutrons but different number of protons.</p>	<p>8th April When an object slows down which store is energy being transferred away from?</p>	<p>9th April What is the equation that links potential difference, current and resistance?</p>	<p>10th April In which state of matter is density generally highest and how is it explained by the particle model?</p>	
<p>11th April True or False? An alpha particle is the same as a Hydrogen Nucleus</p>	<p>12th April True or False? Energy can be created but not destroyed</p>	<p>13th April How do you find the total resistance in a series circuit?</p>	<p>14th April What is sublimation?</p>	<p>15th April What are gamma rays?</p>	<p>16th April What are the three main fossil fuels?</p>	<p>17th April True or False? The frequency of the UK mains electricity is 230Hz.</p>	
<p>18th April What is the specific latent heat of vaporization of a substance?</p>	<p>19th April What is a beta particle?</p>	<p>20th April Name a material that can be used to make biofuels?</p>	<p>21st April True or False? A diode has a very high resistance in one direction.</p>	<p>22nd April Which two type of particle make up an atoms nucleus and for each type give the charge?</p>	<p>23rd April What does it mean if a machine is powerful?</p>	<p>24th April True or False? Work is done when charges flow in a circuit.</p>	
<p>25th April During which two changes of state does a liquid become a gas?</p>	<p>26th April A nucleus emits a gamma ray. What happens to the mass and charge of the atom?</p>	<p>27th April Should thermal insulation have a high or low thermal conductivity?</p>	<p>28th April Which will have a higher total resistance? Two identical resistors connected in parallel or series?</p>	<p>29th April What happens to the internal energy of a substance when it is condensing?</p>			

Subject: Physics (triple or combined)

Exam Board: AQA

Mock exam Paper: Physics Paper 1

Topics to Revise:

- P1- Energy
- P2- Electricity
- P3- Particle model of matter
- P4- Atomic structure