

How to Revise Week

Question-a-day and 20 minute Revision tasks
March - April 2024

Subject: Biology paper 1



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
25th March What is the purpose of the fine adjustment knob on a light microscope?	26th March What is a group of organs working together to perform a particular function called?	27th March What are pathogens?	28th March Photosynthesis is an exothermic reaction. True or false?	29th March How does the size of an organism affect its surface area to volume ratio?	30th March How do enzymes affect the rate of reaction?	31st March What type of pathogen causes rose black spot in plants and how is it spread?	
1st April Which three environmental variables can affect the rate of photosynthesis?	2nd April Which cells in plants are specialized in absorbing water and minerals from the soil?	3rd April Which type of molecule is broken down into amino acids?	4th April State two symptoms of measles and how is measles spread?	5th April How does a very high temperature affect the rate of photosynthesis?	6th April Name two gases that are exchanged in a leaf	7th April What type of food molecule can be identified in a sample using the Benedicts Test?	
8th April How is gonorrhoea spread between individuals?	9th April What is meant by the term “metabolism”?	10th April What type of membrane is needed for osmosis to happen?	11th April Name the structure in the lungs where gas exchange takes place.	12th April State one way that the spread of salmonella is controlled UK?	13th April What is the function of alveoli?	14th April Which side of the heart pumps deoxygenated blood to the lungs?	
15th April How does phagocytosis help defend against pathogens?	16th April Give the word equation for aerobic respiration	17th April Is a plant cell a prokaryotic cell or a eukaryotic cell?	18th April What is the function of white blood cells?	19th April What does it mean when patients are given a placebo?			

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)

Question-a-day and 20 minute Revision tasks March - April 2024

Subject: Chemistry paper 1



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
25th March What is the relative charge of a neutron?	26th March True or False? A positive ion is formed when an atom gains electrons.	27th March How do you calculate the percentage mass of an element in a compound?	28th March Give the names of the ions that are produced by the breakdown of water molecules?	29th March What is the definition of an exothermic reaction?	30th March How many carbon atoms are there in a molecule of Calcium Carbonate CaCO_3 ?	31st March Do ionic compounds have high or low melting points?	
1st April What is the definition of a mole? (The chemistry thing not an animal)	2nd April What name is given to the negative electrode in electrolysis?	3rd April Are neutralization reactions exothermic or endothermic?	4th April Why should you put a lid on a container in a paper chromatography experiment?	5th April How many electrons does each atom donate in a single covalent bond?	6th April What is meant by the term "conservation of mass"?	7th April What sort of reaction occurs when zinc is added to a solution of copper chloride?	
8th April Give an example of an everyday use for a) an endothermic and b) an exothermic reaction.	9th April In fractional distillation where is the hottest point of a fractionating column?	10th April How are the atoms in a polymer joined together?	11th April What is the definition of a limiting reactant?	12th April Give an example of a metal that can be mined in its elemental form.	13th April Is the change in bond energy for an exothermic reaction positive or negative?	14th April What was the plum pudding model of the atom?	
15th April Give one property of diamond?	16th April How do you find concentration of a solution in g/dm^3 ?	17th April T or F? Water insoluble bases do not take part in neutralisation reactions with acid?	18th April What is a metal?	19th 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
March - April 2024

Subject: Physics paper 1



MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	NOTES:
25th March Name three different energy stores.	26th March True of False? The current in a single closed loop of wire is the same at any point.	27th March In which state of matter do particles move fastest?	28th March True or False? Isotopes of an element have same number of neutrons but different number of protons.	29th March When an object slows down which store is energy being transferred away from?	30th March What is the equation that links potential difference, current and resistance?	31st March In which state of matter is density generally highest and how is it explained by the particle model?	
1st April True or False? An alpha particle is the same as a Hydrogen Nucleus	2nd April True or False? Energy can be created but not destroyed	3rd April How do you find the total resistance in a series circuit?	4th April What is sublimation?	5th April What are gamma rays?	6th April What are the three main fossil fuels?	7th April True or False? The frequency of the UK mains electricity is 230Hz.	
8th April What is the specific latent heat of vaporization of a substance?	9th April What is a beta particle?	10th April Name a material that can be used to make biofuels?	11th April True or False? A diode has a very high resistance in one direction.	12th April Which two type of particle make up an atoms nucleus and for each type give the charge?	13th April What does it mean if a machine is powerful?	14th April True of False? Work is done when charges flow in a circuit.	
15th April During which two changes of state does a liquid become a gas?	16th April A nucleus emits a gamma ray. What happens to the mass and charge of the atom?	17th April Should thermal insulation have a high or low thermal conductivity?	18th April Which will have a higher total resistance? Two identical resistors connected in parallel or series?	19th April What happens to the internal energy of a substance when it is condensing?			

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