

Year 10 X-Pathway Learning journey



Year 10 Survival Top Tips

Tip 1	Start to make sets of notes after each topic, summarizing the topic
Tip 2	Learn all the formulas now – it will make year 11 much easier
Tip 3	Create a set of vocabulary flash cards for all topics. Go through these weekly
Tip 4	Find out the layout of your exams, how long, how many etc
Tip 5	Complete all homework on time and ask your teacher for help on any areas you are unsure of

Year 11



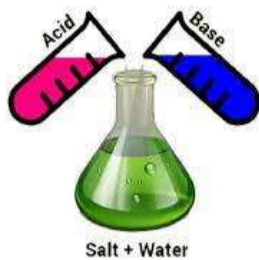
Exam skills



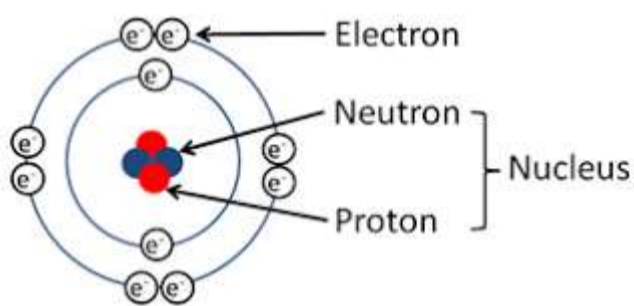
Next steps



➤ 5.4 Chemical changes



➤ 5.5 Energy changes



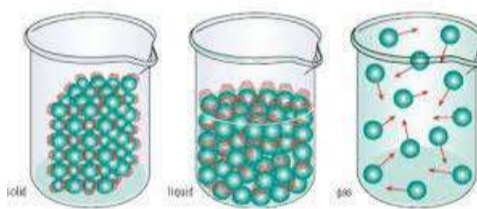
➤ 6.4 Atomic structure

1 mole = 6.022×10^{23}
Avogadro's Number

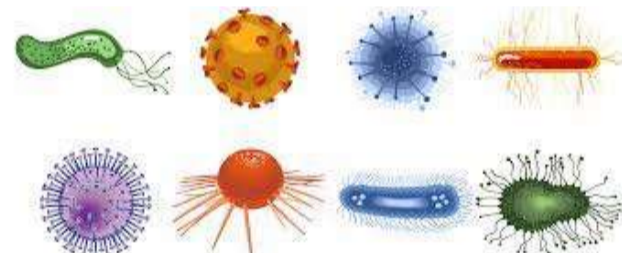
12 grams of carbon-12 powder = 1 mole

➤ 5.3 Quantitative Chemistry

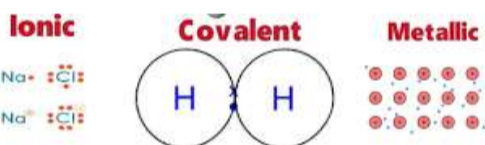
➤ 4.4 Bioenergetics



➤ 6.3 Particle model of matter



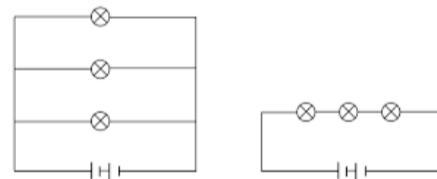
➤ 4.3 Infection and response



➤ 5.2 Bonding, structure, properties of matter

Chemical
Gravitational potential
Kinetic
Thermal
Elastic
Nuclear
Magnetic
Electrostatic

➤ 6.1 Energy



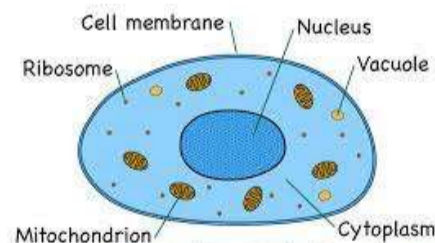
➤ 6.2 Electricity



➤ 4.2 Organisation



➤ 5.1 Atomic structure and periodic table



➤ 4.1 Cell biology

CURRICULUM OVERVIEW

SKILLS TAUGHT ACROSS SCIENCE

- 1) Planning an investigation
- 2) Practical skills
- 3) Collecting and recording data
- 4) Presenting data
- 5) Making conclusions and evaluations



Welcome

CURRICULUM OVERVIEW



Year 10 Y-Pathway Learning journey



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Year 11



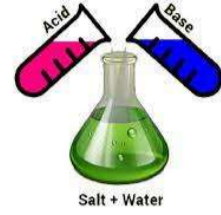
Exam skills



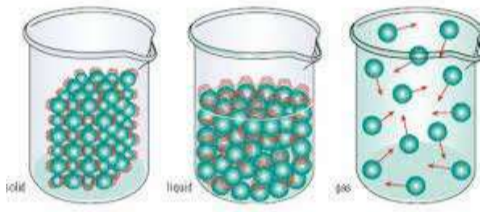
Next steps



➤ 5.5 Energy changes



➤ 5.4 Chemical changes



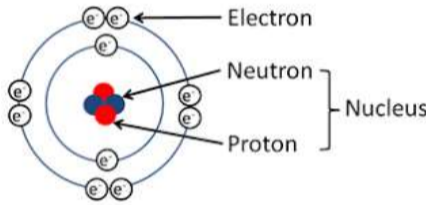
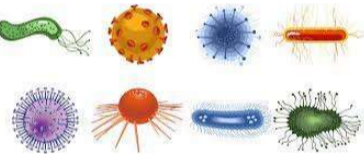
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➤ 4.3 Infection and response



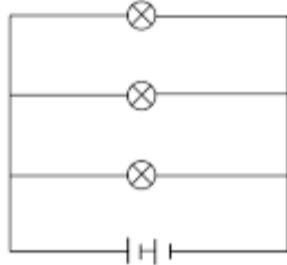
➤ 6.4 Atomic structure



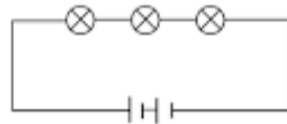
➤ 4.4 Bioenergetics



➤ 4.2 Organisation



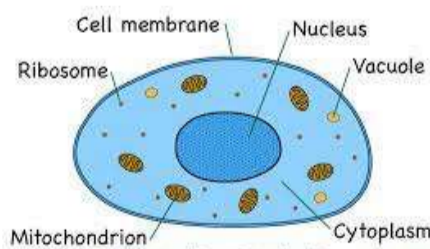
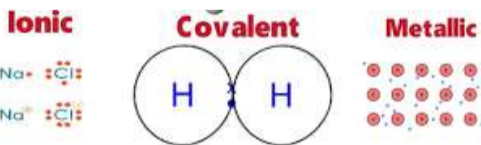
➤ 6.2 Electricity



➤ 6.1 Energy

- Chemical
- Gravitational potential
- Kinetic
- Thermal
- Elastic
- Nuclear
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- Electrostatic

➤ 5.2 Bonding, structure, properties of matter



➤ 4.1 Cell biology

Groups: 1 2 3 4 5 6 7 8

Periods: 1 2 3 4 5 6 7

➤ 5.1 Atomic structure and periodic table

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