

Sandford International School

School Closure Work



Year Group: 10

Subject: Chemistry

Teacher: Dr Anup Sharma

Email: anup.sharma@sandfordschool.org AND anupanjaan@gmail.com

Please note: Examination classes must also complete their own revision as would be normally expected.

https://drive.google.com/open?id=16J0NJxB8N9SEydy8vufW-_ljlDOI_W-

Week 1		
Tasks	Resources and Links	Assessments
<ul style="list-style-type: none">• Questions/worksheet on Fuel.• You are supposed to go through your textbook and solve the following questions.<ol style="list-style-type: none">1. What is a good fuel?2. Which chemical reaction takes place in burning of a fuel? Give an example and equation.3. What are fossil fuels? Give three example. Why do we use word fossil in relation to	<p>Other than your textbook you can watch videos on the related topics to understand better.</p> <p>Fossil Fuels</p> <p>https://www.youtube.com/watch?v=iubWN1cnwls</p>	<p>The answers should be sent to Dr Anup by Monday 30th March 2020 for marking.</p>

petroleum? 4. How is coal formed? Which type of coal contains largest percentage of carbon? 5. What is the factor which decides the different types of coal formation?		
--	--	--

Week 2

Tasks	Resources and Links	Assessments
1. Sun is the ultimate source of energy. Why do we say that? 2. Hydrocarbons are organic compounds. What are hydrocarbons? Explain the meaning of organic. 3. What is crude oil? How do we get different products from crude oil? 4. What is simple distillation? How is it different from fractional distillation? 5. Draw the fractional distillation diagram of crude oil.	Other than your textbook you can watch videos on the related topics to understand better. Simple Distillation https://www.youtube.com/watch?v=V5ep0-ojPGw Hydrocarbons https://www.youtube.com/watch?v=1UE3hZ7cOP0 Fractional Distillation https://www.youtube.com/watch?v=PYMWUz7TC3A	The answers should be sent to Dr Anup by Monday 6 th April 2020 for marking.

Week 3

Tasks	Resources and Links	Assessments
-------	---------------------	-------------

<ol style="list-style-type: none"> 1. What are alternative sources of energy? 2. Explain the advantages and disadvantages of alternative sources of energy. 3. Why is hydrogen gas conserved as clean fuel? 4. Differentiate between renewable and non-renewable sources of energy. 5. Write anode and cathode equations for hydrogen fuel cell. 6. Draw a labelled diagram for hydrogen fuel cell. 	<p>Other than your textbook you can watch videos on the related topics to understand better.</p> <p>Nuclear fission https://www.youtube.com/watch?v=mBdVK4cqiFs</p> <p>Hydrogen fuel cell https://www.youtube.com/watch?v=imV_uflzxPY https://www.youtube.com/watch?v=5_IDGna9MBM</p>	<p>The answers should be sent to Dr Anup by Monday 13th April 2020 for marking.</p>
---	--	---

Week 4

Tasks	Resources and Links	Assessments
<ol style="list-style-type: none"> 1. Define the term rate of reaction. 2. Explain why the rate of a chemical reaction generally decreases as the reaction proceeds? 3. Click on the link and complete all activities related to rate of reactions using simulation. 	<p>Other than your textbook you can watch videos on the related topics to understand better.</p> <p>Collision theory http://youtu.be/qhswP79ArhA</p> <p>Collision Theory - Concentration, Temperature and Surface Area https://www.youtube.com/watch?v=HjlxUBWvxH4</p> <p>SIMULATING REACTION RATES https://drive.google.com/file/d/1J7vsnUFpca3SM4GYdP-0ldxTGlxILvPz/view?usp=sharing</p>	<p>The answers should be sent to Dr Anup April 17th 2020</p>