

Sr. Physics 4 <sup>th</sup> Hr	Jr. Chem 1 <sup>st</sup> Hr	Fr. PreChem/Phys 2 <sup>nd</sup> , 5 <sup>th</sup> , Hrs
<p><i>Mon.</i></p> <ol style="list-style-type: none"> <li>Students will apply relativity correction factor</li> <li>Define Einsteinian relativity by time vs. space &amp; matter vs. energy by a 2<sup>nd</sup> filmstrip</li> </ol> <p>(Heat &amp; electricity lab is due)</p>	<ol style="list-style-type: none"> <li>Students will continue 2<sup>nd</sup> sem. review by board problems</li> <li>Continue to apply functional groups to models</li> </ol>	<p>2<sup>nd</sup> → 5<sup>th</sup></p> <ol style="list-style-type: none"> <li>Students will review food webs               <ul style="list-style-type: none"> <li>-- Lesson 21 correction</li> <li>-- review matter &amp; energy by cyclic vs. non-cyclic</li> <li>-- Bill Nye video "Food Web"</li> </ul> </li> </ol> <p>→ Hand out Ecology rev. ws</p>
<p><i>Tue.</i></p> <ol style="list-style-type: none"> <li>Students will complete space and time &amp; matter vs. energy by completion of filmstrips</li> <li>Define geometric derivation of the Lorentz transformation</li> <li>Begin to apply time dilation to quantitative problems</li> </ol>	<ol style="list-style-type: none"> <li>Students will complete part II of semester exam</li> <li>Review part I of exam</li> <li>Prepare for "Aspirin Synthesis" lab</li> </ol> <p>(Corrected semester ws due)</p>	<ol style="list-style-type: none"> <li>Students will review food chains by correcting ws problems</li> <li>Explain why a 90% energy loss in food chain steps</li> <li>Define the energy pyramid</li> </ol>
<p><i>Wed.</i></p> <ol style="list-style-type: none"> <li>Students will continue quant. applications by               <ul style="list-style-type: none"> <li>-- length contraction</li> <li>-- mass expansion</li> </ul> </li> <li>Observe universal vs. time effects by the video "Powers to Ten"</li> </ol> <p>(Paradigm Projects due)</p>	<ol style="list-style-type: none"> <li>Students will define &amp; apply an organic esterification reaction by "Make a Drug" lab               <ul style="list-style-type: none"> <li>-- discuss esterification reaction</li> <li>-- synthesize aspirin</li> <li>-- begin purity tests</li> </ul> </li> </ol>	<ol style="list-style-type: none"> <li>Students will review energy, life, and food web by worksheet correction</li> <li>Continue to apply 90% energy loss to energy pyramid</li> </ol>
<p><i>Thur.</i></p> <ol style="list-style-type: none"> <li>Define general relativity by               <ul style="list-style-type: none"> <li>-- vs. special relativity</li> <li>-- acceleration vs. constant speed</li> <li>-- gravity &amp; acceleration</li> </ul> </li> <li>Apply to video "Gravity from Newton to Einstein"</li> </ol>	<ol style="list-style-type: none"> <li>Students will complete lab by               <ul style="list-style-type: none"> <li>-- mass dry product</li> <li>-- complete purity tests</li> <li>-- complete results and conclusion</li> </ul> </li> </ol> <p>(lab notebook due at end of hour)</p>	<ol style="list-style-type: none"> <li>Students will consolidate ecological concepts by a quiz</li> <li>Begin the vocabulary of population change</li> </ol>
<p><i>Fri.</i></p> <ol style="list-style-type: none"> <li>Students will observe people in science by video: "Stephen Hawking's Universe"</li> <li>Continue general vs. special relativity               <ul style="list-style-type: none"> <li>→ Hand out Exp. 92</li> <li>→ Hand out relativity ws</li> </ul> </li> </ol>	<ol style="list-style-type: none"> <li>Students will take ACS exam part I</li> <li>Review part II of semester exam</li> </ol>	<ol style="list-style-type: none"> <li>Students will review quiz</li> <li>Define the 4 factors causing a population to change to quantitative problems</li> </ol>

# Physical Science Module 1study Guide Answers

**J Spring**



## **Physical Science Module 1 Study Guide Answers:**

**Resources in Education**, 1997      *Exploring Psychology, Sixth Edition, in Modules Study Guide* Richard O.

Straub, 2004-12-06 For every major content section longtime author Richard Straub has divided each module by major topic each section includes a Preview objectives that require short answers and Stepping Through the Section which include detailed fill in the blank questions The Study Guide also includes self tests critical thinking exercises vocabulary and language activities Internet activities and crossword puzzles      **Digital SAT Study Guide Premium, 2025: 4 Practice**

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