

STS Assignments

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Date	In class topic	Homework due the next day
<u>Monday,</u> <u>Dec. 15</u>	Introduction: The Atom (Ch. 4 in <i>Science Matters</i> , Ch. 2 in <i>Big Ideas</i>)	Complete a cartoon analysis using the cartoon on Page 15 in your <i>Big Ideas</i> book.
<u>Tuesday,</u> <u>Dec. 16</u>	Reading and Notes (<i>Big Ideas/Science Matters</i>)	<ol style="list-style-type: none"> 1. Explain why Dalton's atomic theory was so important to our understanding about atoms. 2. Even though J.J. Thomson's Plum Pudding Model is not accepted today, his discoveries were very important. Why were they important? 3. How are Dalton's and Thomson's atomic models similar? How are they different? 4. Draw pictures to illustrate these two models.
<u>Wednesday,</u> <u>Dec. 17</u>	Reading and Notes (<i>Big Ideas/Science Matters</i>)	Make a poster that illustrates Rutherford's famous gold foil experiment. Be sure to include: what he did, what he thought would happen, what did happen
<u>Thursday,</u> <u>Dec. 18</u>	Reading and Notes (<i>Big Ideas/Science Matters</i>)	Make study cards or a chart for the information we have studied so far in this unit.
<u>Friday, Dec.</u> <u>19</u>	Atomic Theory Timeline	No homework is due over the holidays.
WINTER HOLIDAY		
<u>Monday,</u> <u>January 5</u>	The Structure of Atoms/Electron Structure	<ol style="list-style-type: none"> 1. Make a time line that shows the SIX most important points in history that helped us to understand atoms better. 2. Explain why you chose each of the six points in history as so important.
<u>Tuesday,</u> <u>January 6</u>	Electron Structure	Make a poster that explains our understanding of electron structure in the earlier days, and how we understand it today.
<u>Wednesday,</u> <u>January 7</u>	Electron Structure	Complete your Review Guide #1.
<u>Thursday</u> <u>through</u> <u>Wednesday,</u> <u>January 8-</u> <u>14</u>	Review Week	Complete one Review Guide each night through Review Week. They are numbered in the correct order.