

Chemistry 1 a Week Activity Foundation		49 th Week								
Name:		Class:								
The word equation for a reaction is: nitrogen + hydrogen $\rightleftharpoons$ ammonia State the meaning of the $\rightleftharpoons$ symbol.	Calculate the relative formula mass of butene, C ₄ H ₈ .									
Under each box write the state of matter that is shown. 										
Diamond has a giant covalent structure. State one property of diamond that is the result of its giant covalent structure.	Give the names of the elements combined in barium sulfate. Name the salt Pb(NO ₃) ₂									
Ammonia reacts with nitric acid to form ammonium nitrate. Complete the word equation for this reaction.										
In what two states do ionic compounds conduct electricity?	Describe a test to distinguish between Cu ²⁺ and Fe ²⁺ ions.									
A reaction pathway diagram is shown. Which statement about this reaction is correct? <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tbody> <tr> <td style="text-align: center; width: 5%;">A</td> <td>The rate of reaction increases during the reaction.</td> </tr> <tr> <td style="text-align: center;">B</td> <td>The reaction is endothermic.</td> </tr> <tr> <td style="text-align: center;">C</td> <td>It transfers heat to the surroundings.</td> </tr> <tr> <td style="text-align: center;">D</td> <td>The temperature of the surroundings increases.</td> </tr> </tbody> </table>			A	The rate of reaction increases during the reaction.	B	The reaction is endothermic.	C	It transfers heat to the surroundings.	D	The temperature of the surroundings increases.
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