Name

Guided Notes-Seasons

1.	Earth <u>revolves</u> around the <u>sun</u> in a path that <u>repeats</u> itself every		
	year		
2.	This path is called an <u>orbit</u> .		
3.	Earth's <u>axis</u> is not straight <u>up</u> and <u>down</u> but <u>tilted</u> at an angle of <u>23.5°</u> .		
4.	The North Star is almost directly above the North Pole. Because of this the North Star always stays in the same place in the sky. All the other stars seem to revolve around the North Star		
5.	This means that Earth's <u>axis</u> of <u>rotation</u> always points in the <u>same</u> direction while it revolves around the sun.		
6.	Because of this the <u>northern</u> hemisphere is tilted towards the sun around the <u>21st of June</u> . The <u>southern</u> hemisphere is tilted towards the sun about the <u>21st of December</u> .		
	When the Northern hemisphere has <u>summer</u> the southern hemisphere has <u>winter</u> . When the northern hemisphere has <u>spring</u> the southern hemisphere has <u>fall</u> .		
8.	When the northern hemisphere is tilted <u>away</u> from the sun in <u>December</u> , the <u>sun</u> appears <u>low</u> in the sky. The angle of the <u>sunlight</u> hitting Earth is <u>low</u> . This means that the northern hemisphere receives <u>little</u> <u>energy</u> from the sun.		
9.	When the northern hemisphere is tilted <u>toward</u> the sun in <u>June</u> , the <u>sun</u> appears <u>high</u> in the sky. The angle of the <u>sunlight</u> hitting Earth is <u>high</u> . This means that the northern hemisphere receives <u>more</u> <u>energy</u> from the sun.		
10.	In summer the sun is <u>high</u> <u>overhead</u> and the <u>days</u> are <u>longer</u> . This gives the sun plenty of time to <u>heat</u> Earth.		
11.	In the winter the sun islow _overhead and thedays are _ shorter		
	This gives the sun little time to <u>heat</u> Earth.		
12.	The two reasons that we have seasons are: 1. The Earth is tilted 2. The Earth moves around the sun		

In the diagram below, label the picture that shows when it is summer in Utah, "Summer;" and the picture that shows when it is winter in Utah, "Winter."

Example A Summer	
Example B Winter	