




## Ideas about the Sun's Effect on Climate and Seasons Mash Up

My <i>initial</i> ideas		This idea is incorrect.	How my ideas have changed
		I'm not sure about this idea--some parts may be correct and other parts incorrect.	
		This idea is accurate.	
		1. An object cannot both absorb and reflect light.	
		2. The average temperatures near the equator are warmer because the equator is closer to the Sun.	
		3. Earth's tilt causes the seasons because Earth is tilted away from the Sun during the winter and towards the Sun during the summer.	
		4. Earth's orbit around the Sun is very nearly a circle.	
		5. Global warming and the greenhouse effect are the same thing.	
		6. Average temperatures at lower latitudes are higher than at higher latitudes because sunlight hits Earth more directly at the lower latitudes and less directly at the higher latitudes.	
		7. The spin of Earth on its axis contributes to variations in the seasons at different places on Earth at different times of the year.	
		8. In the Northern hemisphere, Earth is slightly closer to the Sun in the winter.	
		9. The tilt of Earth's axis points in different directions as Earth orbits around the Sun.	
		10. Absorbed light usually increases the temperature of an object	
		11. Lower average temperatures occur on Earth because Earth is farther away from the Sun at different times of the year.	
		12. The tilt of Earth's axis causes changes in the length of day over the course of the year.	
		13. Average temperatures in the northern United States are higher than average temperatures in the southern United States in July.	
		14. Average temperatures in the Northern Hemisphere are higher than average temperatures in the Southern Hemisphere in July.	
		15. The average temperatures on Earth are usually higher at higher altitudes than at lower altitudes.	
		16. In the Southern Hemisphere, sunlight hits Earth more directly and with greater intensity during the summer months. This is because Earth is closer to the Sun.	
		17. Locations near large bodies of water typically are warmer in the winter and cooler in the summer.	

