

Decide which statements are true and which are false. For each false statement, write down why you think it's false. Then try to write down a corrected version of the statement.

STATEMENT	TRUE/FALSE	REASONING
The Earth and Moon orbit the Sun	<b>True</b>	<i>Both orbit the Sun, the Moon also orbits the Earth.</i>
The Moon and Sun are about the same size	<b>False</b>	<i>Stars (e.g. the Sun) are much larger than planets like Earth, which is larger than the Moon. The Moon is much closer than the Sun so appears a similar size.</i>
When it's summer in the northern hemisphere of the Earth it's winter in the southern hemisphere	<b>True</b>	
The Earth is nearer the Sun in the summer and further away in the winter	<b>False</b>	<i>It is the tilt of the Earth that causes the seasons. We have winter when the northern hemisphere is tilted away from the Sun.</i>
Day and night are caused by the Sun moving around the Earth once every 24 hours	<b>False</b>	<i>The Sun appears to move, but day and night are caused by the Earth spinning on its own axis.</i>
The Sun is a star	<b>True</b>	
Everything we see in the sky at night must be giving out its own light	<b>False</b>	<i>Only stars are hot enough to give out their own light. Planets shine by reflected light.</i>
The Moon appears to change shape because of the Earth's shadow falling on it	<b>False</b>	<i>The Moon's phases are determined by how much of the lit-up Moon we can see from the Earth.</i>
The Moon is a satellite	<b>True</b>	<i>A natural satellite.</i>
The Moon rises when the Sun sets	<b>False</b>	<i>Point out that both can often be seen - their "rising" is caused by the Earth moving.</i>
An eclipse of the Sun is caused by the Moon stopping light from reaching the Earth	<b>True</b>	
Mars takes less time to orbit the Sun than the Earth	<b>False</b>	<i>Mars is further from the Sun than Earth, so it has a greater distance to travel and takes nearly twice as much time.</i>
There are nine planets	<b>True</b>	<i>Open for debate!</i>