

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	True	<i>Both orbit the Sun, the Moon also orbits the Earth.</i>
The Moon and Sun are about the same size	False	<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	True	
The Earth is nearer the Sun in the summer and further away in the winter	False	<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	False	<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	True	
Everything we see in the sky at night must be giving out its own light	False	<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	False	<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	True	<i>A natural satellite.</i>
The Moon rises when the Sun sets	False	<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	True	
Mars takes less time to orbit the Sun than the Earth	False	<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	True	<i>Open for debate!</i>