

## Contemporary Science Issues

### Lesson 16: Has the Universe always been there?

#### Evidence cards

<p><b>EVIDENCE CARDS</b></p>	<p><b>The Gravity Riddle</b> The universe has not collapsed in on itself. This suggests the universe is not static.</p>
<p><b>EVIDENCE CARDS</b></p>	<p><b>Red-shift</b> This suggests the other galaxies are moving away from ours and that the further away they are the faster they are moving. This suggests accelerating expansion.</p>
<p><b>EVIDENCE CARDS</b></p>	<p><b>Cosmic Microwave Background</b> The left over heat energy from the Big Bang.</p>
<p><b>EVIDENCE CARDS</b></p>	<p><b>Unchanging Universe</b> The stars appear to be in the same position each night. Changes can only be observed over long periods of time.</p>