



The average temperature of the Universe is?

2.73 Kelvin (3 Kelvin acceptable)

correct: move ahead 2 spaces  
wrong: stay where you are



These are found in the middle of planetary nebulae

white dwarfs

correct: move ahead 2 spaces  
wrong: go back one space



Temperature extremes are measured using this scale

Kelvin

correct: move ahead 1 space  
wrong: go back one space



The approximate Celsius temperature for 0 K is

-273° C

correct: move ahead 2 spaces  
wrong: stay where you are



The temperature that must be reached in order to start nuclear fusion

15 Million degrees Kelvin

correct: move ahead 1 space  
wrong: go back one space



Helium fuses at what temperature

100 million degrees Kelvin

correct: move ahead 2 spaces  
wrong: stay where you are



A main sequence star like our sun will begin to collapse when all the \_\_\_\_\_ is burned?

hydrogen

correct: move ahead 1 space  
wrong: go back one space



Fusion cannot occur past iron because –  
energy is used rather than released

correct: move ahead 1 space  
wrong: go back one space



Massive stars will continue the fusion process until what element is created.

Iron

correct: move ahead 1 space  
wrong: go back one space



Observers looking at an object moving away see light that has a longer wavelength than it had when it was emitted. This is called a redshift

correct: move ahead 1 space  
wrong: go back one space



Observers looking at an approaching source see light that is shifted to shorter wavelengths. This is called: blueshift.

correct: move ahead 1 space  
wrong: go back one space



The abbreviation for astronomical unit is

a.u.

correct: move ahead 2 spaces  
wrong: stay where you are



The method to determine whether an object is moving toward you or away by analyzing a spectrum is the **Doppler shift or effect**.  
correct: move ahead 1 space  
wrong: go back one space



Most heavy elements in our universe are created through **supernovae explosions**.  
correct: move ahead 1 space  
wrong: go back one space



If the mass limit is exceeded for a neutron star it becomes a **black hole**.  
correct: move ahead 1 space  
wrong: go back one space



Stars are formed from material in **nebulae**.  
correct: move ahead 1 space  
wrong: go back two spaces



Give an example of a baryon.  
**Protons or neutrons**  
correct: move ahead 2 spaces  
wrong: stay where you are

