Life Cycle of a Star

Text Reference: Pages 296-301.

Learning Goal: I can descr	ibe the life cycle of various	types of stars.	
All stars start as asome of the gas and dust in A protostar is the earliest sta	a nebula together. The cor ge of a star's life. A star is b	ntracting cloud is then on orn when the gas and	called a dust from a nebula
"turned on" it is known as a out of		When a main sequ	ence star begins to run
	→ Red giant → Supergiant	Planetary neb	oula White dwarf Weatron star Black hole
After a low or medium mass	or star has become a red g	giant the outer parts gro	ow bigger and drift into
space, forming a cloud of g left behind cools and becor runs out of fuel and dies as a	mes a		
After a high mass star beco is called a behind. This material may fo who	. After the star explode	s, some of the material The most mo	s from the star are left assive stars become
remains is so strong that it postrong that nothing can esc	ulls all nearby materials into		

Characteristics of Stars

There are many different types of stars, and by comparing a few of their characteristics, we can find out more about them.

1. Colour and Temperature

The colour of stars tells us something about their temperatures. Blue coloured stars are the hottest and red is the coolest. (See pg. 301)

	use spectroscopes to look at stars. The spectrum of a star can tell us:
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The brigh	tness of the star
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ve com	pare the brightness of stars with one another too.
	oare the brightness of stars with one another too. t magnitude -
Apparen	t magnitude -
Apparen	t magnitude -