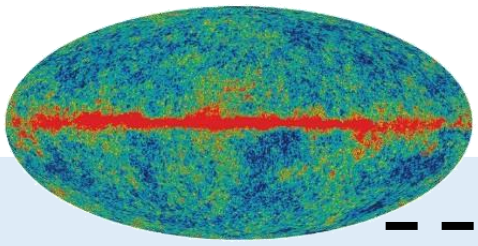
CHURCH STRETTON SCHOOL

PHYSICS: SP7 Astronomy

Assessment = ★



SCAN ME

Final assessment

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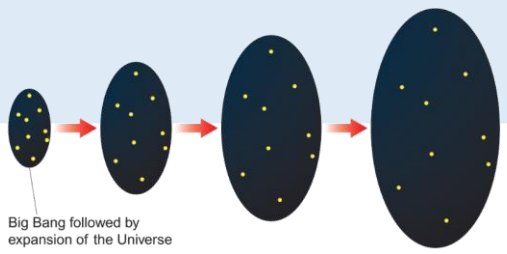
Review of learning

Apply:
SP9 Objects affecting each other
SP15 Pressure in fluids
16+ Astrophysics
Telescopes
Classification of stars
Cosmology

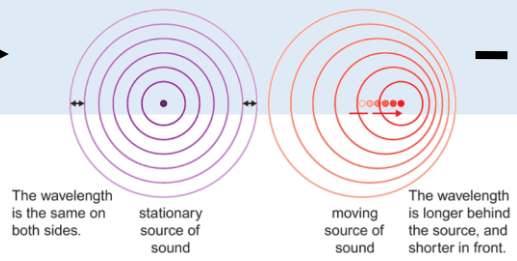
Revision

Retrieval, keyword definitions and equation practice.



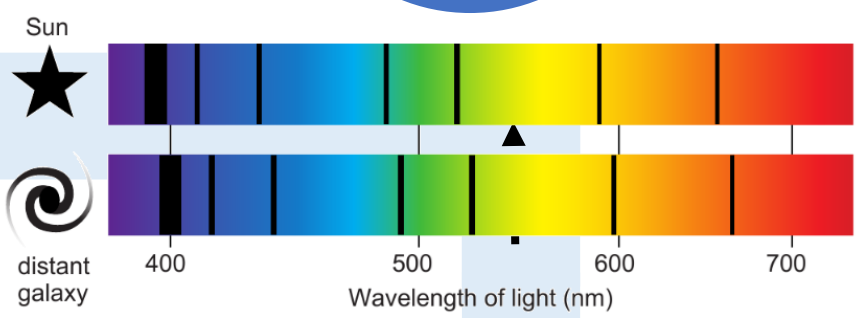
Origin of the Universe

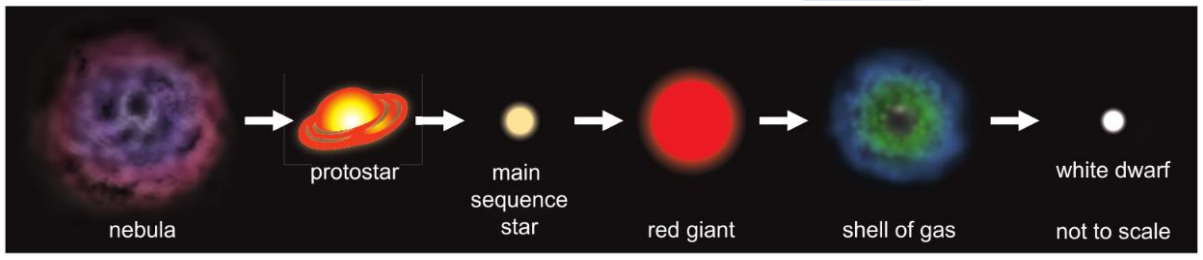
Why is the Big Bang theory the currently accepted model?

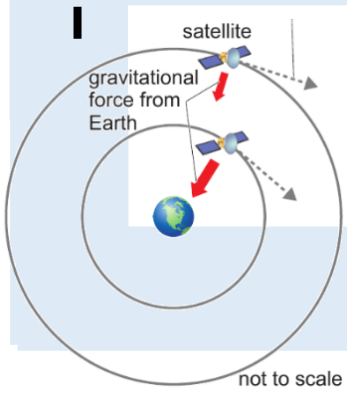


Red-Shift

How does red-shift provide evidence for the expansion of the Universe?







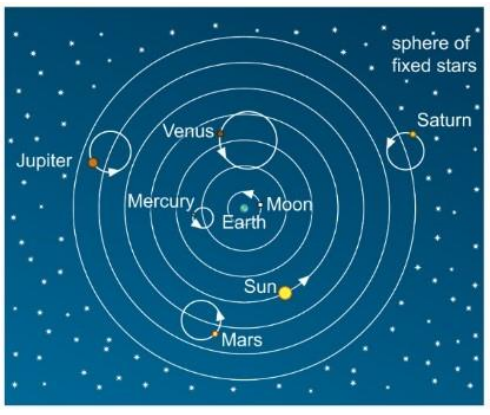
Life cycle of stars

How do stars with masses similar to the sun / with masses larger than the sun change over time?

Most of the stars in the Universe are in the main sequence stage of their lives.

Gravity and orbits

Why is gravity different on different bodies in the Solar System?



LESSON 1

The Solar System

How have ideas about the Solar System changed with time?

Retrieve:
KS2 Weather and seasons
P1.1.4 Forces at a distance
P1.1.5 Balanced and unbalanced
P1.2 Sound (waves, energy transfer, loudness and pitch)
P1.3.5 Light (the spectrum, colour)
P1.4 Space
P2.2.5 energy transfer: radiation
P2.3.4 Pressure
SP4 Waves
SP5 EM spectrum and light

Key terms

Make sure you can write definitions for these key terms.

Planet, satellite, geocentric model, heliocentric model, telescope, asteroids, comets, weight, mass, gravitational field strength, velocity, nebula, protostar, fusion, electromagnetic radiation, main sequence, red giant, white dwarf, supernova, black hole, red shift, big bang