It's Getting hot!

The Sun's
Atmosphere
- The Sun's atmosphere is in 3 layers:
  - The photosphere: the lower layer of the Sun's atmosphere.
  - The chromosphere: the middle layer of the Sun's atmosphere.
  - The corona: it looks like a halo around the Sun.
- The corona: sends out a stream of energy charged particles called solar wind.

Features on the Sun
- Features on or above the Sun's surface:
  - Sunspots, prominences, and solar flares.
- Transient Areas of gas on the Sun that are cooler than the gas blobs around them.
- Permanent surface loops of gas.
- Solar flares: the energy heats gases on the Sun to millions of degrees Celsius, causing the hydrogen gas to explode out into space.

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The Sun's Interior
- The Sun's energy comes from nuclear reactions.
- Helium isotope reactions fuse into energy to form helium.
- Core of the Sun.
- The pressure, filling the Sun's core.
- Core becomes very hot.
- Core reacts to drive the chain of energy release.
- Ultimate release of energy results in the nuclear fusion reaction.

Critical Thinking

Question and Answer

Room 503