

# Features to Look for in Hydrogen-alpha Light

**Granulation:** caused by the wave motion of plasma as it rises

**Active Region:** areas where the sun's magnetic field is stronger and more energetic. Sunspots and flares form here.

**Sunspot:** magnetic disturbances in the plasma. Caused by entangled magnetic field lines. Color indicates cooler temperatures, often seen as black.

**Prominence:** Loops of plasma pulled into space along magnetic field lines, seen along the edge of the sun for hours to days. Results from out-gassing of elements in the plasma and heats as it is pushed into the corona.

**Filament:** Same structure as a prominence but seen in front of the sun's disk. Both can be thousands of mile long and extend thousands of mile above the surface.

**Plage:** bright networks of moving plasma extending from an active region

