Introduction

Sunspots

Underlying physics  
Solar Cycle/activity  
Brightness  
Magnetic flux  
Dynamics  
Area variation  
Grouping  
Rate of decay->weakening magnetic field  
Rotation

(suggested) Solar activity correlations

Solar flares  
Atmospheric coupling: Frequency shifts of helioseismic oscillations during solar cycle, related to number of sunspots (chaplin et al. 2004; Dziembowski & Goode 2005)  
Coronal loops (rare occurrence, rooted in sunspot umbrae)  
Weakening magnetic field  
Angular momentum towards solar equator