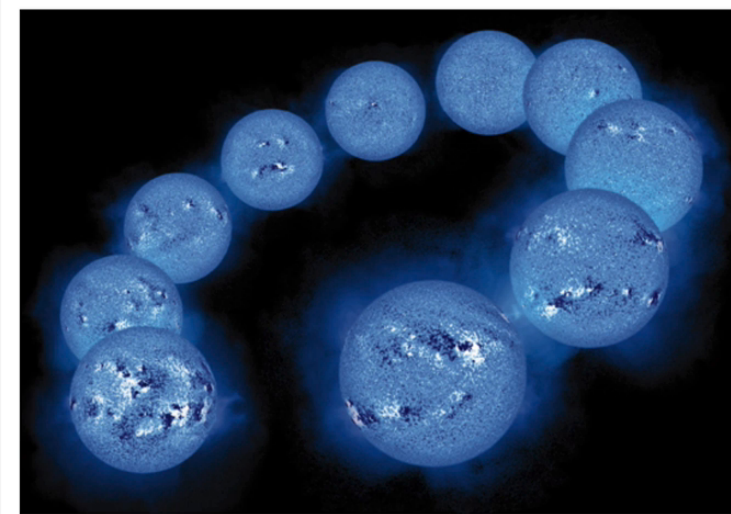


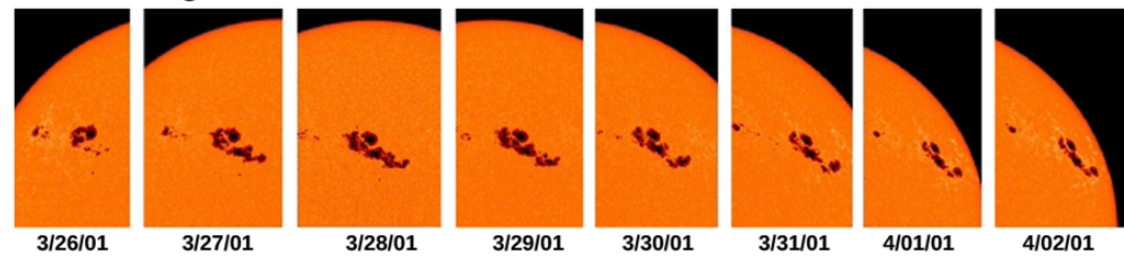
# 1 11 Year cycle of “maximum” and “minimum”



# The Solar Cycle

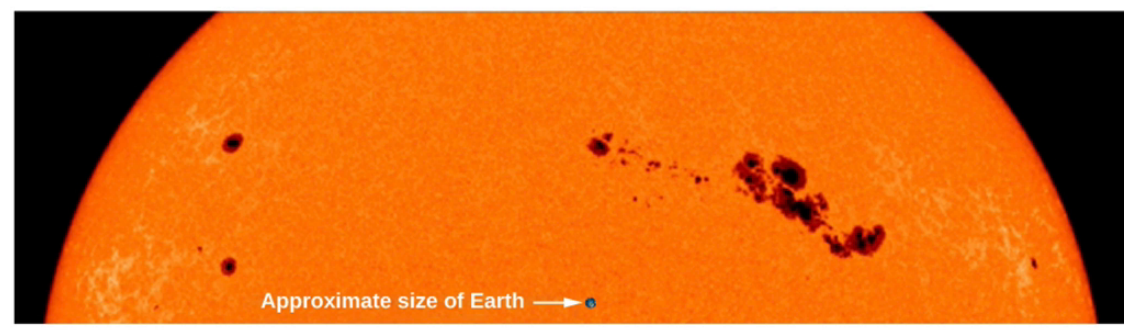
# 2 Sunspots: Dark, cooler spots on sun - caused by Magnetism

# 3 Can use to track Sun's rotation



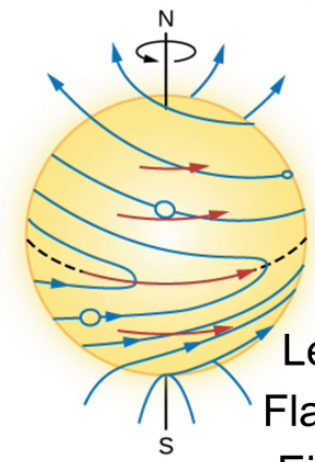
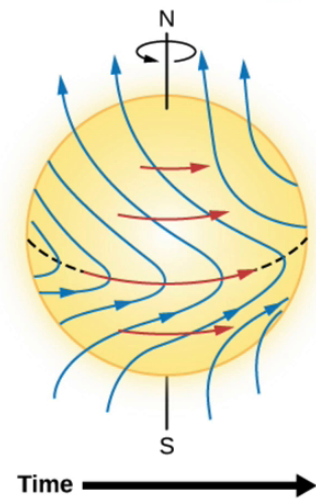
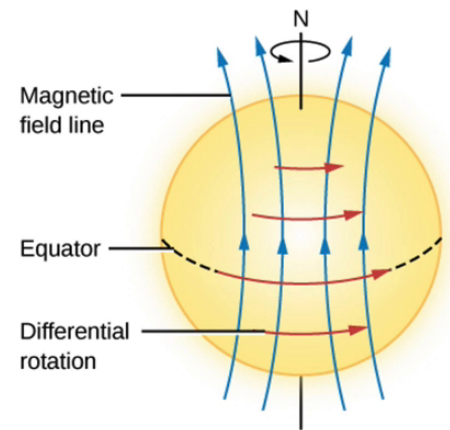
28 days at equator

36 days near poles



March 30, 2001

# 4 Differential Rotation causes Magnetic Field to get wound up and chaotic



# 5 Leads to Flares and Ejections

