

## *Topics for Today Solar magnetic dynamo:* how the Sun builds (and destroys) its *magnetic fields*Start reading *Chap 16, Properties of Stars*Next class: What can we measure in other stars, how we classify them (O,B,A....) *Observatory Night # 3* today Mon 7 Feb (7pm, 8pm, 9pm -- by sign-up) *Review Sheet* still available for in-class *Midterm Exam 1* this *Fri 11 Feb* (review session this Wed 11 Feb, 7pm, here)

## Reading Clicker Q

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- Helioseismology uses sound waves bouncing within the Sun to study flows and structures deep inside. How are they detected and measured?
- A. By listening very carefully, since 5-minute periods hard to hear otherwise
- *B.* By observing Doppler shifts of spectral line emitted by solar surface moving up and down
- C. By seeing how solar prominences wiggle
- D. By using the Zeeman effect
- E. By its effect on 11-year solar activity cycle































- What observed features characterize the Sun at "solar maximum" ?
- A. Sun becomes much brighter
- B. Sun emits light of longer wavelengths
- C. Sun rotates faster at the equator
- D. Many sunspots are visible on surface
- E. All of the above









