

| Midterm Exam |
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| - The in-class activities are posted on |
| webpage and online.wou.edu-study them |
| for the exam. |
| - A study guide, answers to review |
| questions, and last year's exam are |
| posted on line also |
| - Bring a scantron and a pencil |
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## Solar Interior

- Nuclear Fusion of 4 Hydrogen to 1 Helium
- Difference in atomic mass is released as energy
- Released as photons—light particles
- Convection brings photons to photosphere
- Sun will last about another 5 billion years



Star Colors (time lapse photo)

Star temperature vs. magnitude




Milky Way

- Spiral
- 200 billion
stars
- Black hole
in center
- Older stars in center, younger at edges


Typical spiral galaxies


Barred spiral galaxy



