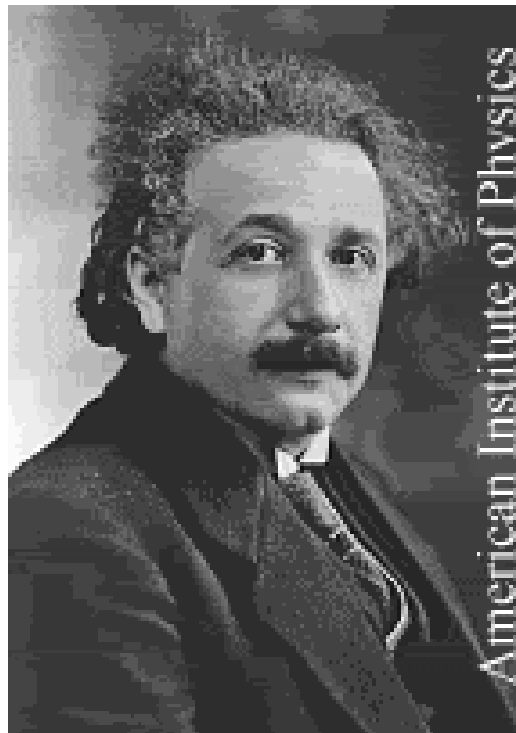


# Knowledge Surveys

[http://www.isu.edu/ctl/facultydev/KnowS\\_files/KnowS.htm](http://www.isu.edu/ctl/facultydev/KnowS_files/KnowS.htm)



# Physics 371 Knowledge Survey:

## Dr. Dolores Knipp, USAFA

*Instructions: This is a knowledge survey rather than a test. Be sure to fill in your name and SSN. The purpose of this survey is to evaluate the change produced in your knowledge of astronomy and astrophysics by this course. You will answer the same questions again near the end of the course. Mark the first response if you feel confident that you can answer the question or perform the task indicated. Mark the second response to the question if you can now answer 50% of the question or you know precisely where you could get the information in 30 minutes or less. Mark the last response if you are at a loss as to how to answer the question. Do not try to actually answer the questions.*

**Briefly describe Kepler's three laws of orbital motion.**

**I know this**

**I know at least 50% of the answer or know exactly where to find the answer**

**I don't know**

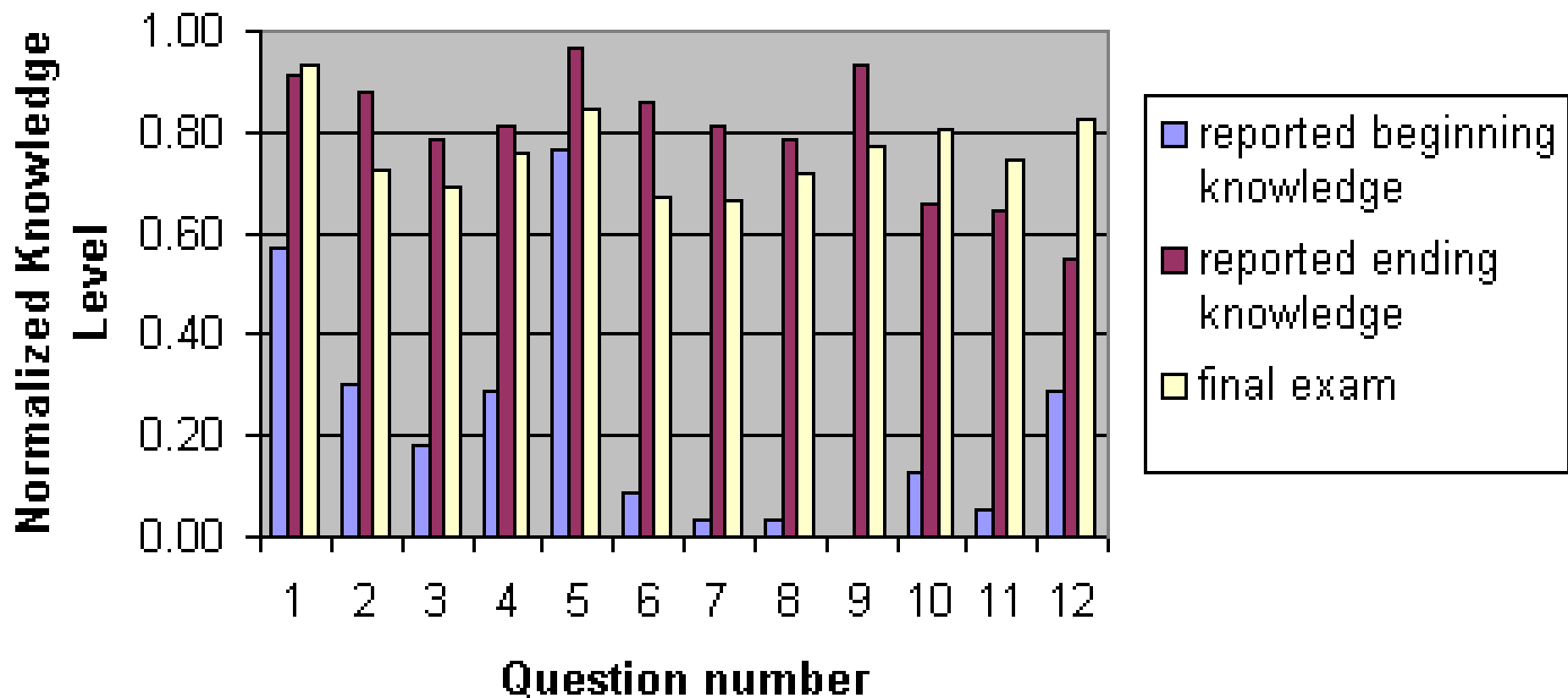
**How are absorption and emission lines produced in a stellar spectrum? What information might absorption lines in the spectrum of a star reveal about a cloud of cool gas lying between the star and us?**

**I know this**

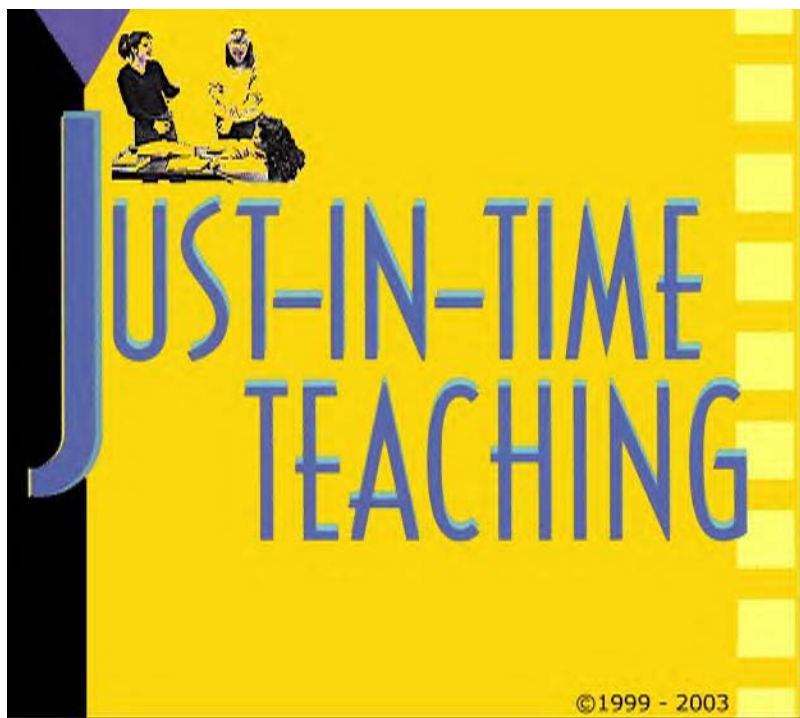
**I know at least 50% of the answer or know exactly where to find the answer**

**I don't know**

## Comparison of Reported Knowledge With Performance on Final Exam



# Just in Time Teaching (JiTT)



[http://webphysics  
.iupui.edu/jitt/jitt.  
html](http://webphysics.iupui.edu/jitt/jitt.html)